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THE CHEMIST AND DRUGGIST

ESTABLISHED 1859

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Official organ of the Pharmaceutical Society of Ireland and of the Pharmaceutical Society of Northern Ireland

Volume 179

Correspondence

April 6, 1963

No. 4338

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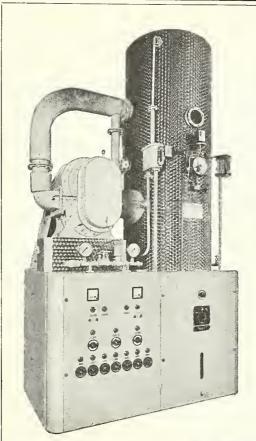
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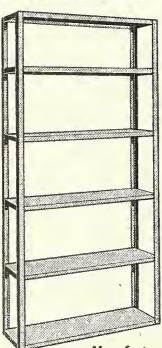
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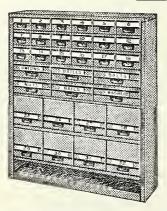


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Volume 179

APRIL 6, 1963

No. 4338

Poisons Rules Changes

RECOMMENDATIONS BY POISONS BOARD

THE Home Office is proposing to amend the Poisons List Order and the Poisons Rules to give effect to recommendations of the Poisons Board (see p. 366).

Included in the changes is an amendment to allow pharmacists to supply the equivalent in terms of metric or imperial systems. That amendment is necessary to protect pharmacists when the British Pharmacopæia, British Pharmaceutical Codex and British National Formulary adopt the metric system.

A Process of Attrition

REPORT BY PRIVY COUNCIL VISITOR

THE residue of candidates for the Pharmaceutical Chemist Qualifying examination (old regulations) are of poor quality and their ultimate hope of success seems to rest on a process of gradual attrition to a point where they are required finally to pass in only one subject, says Professor Andrew Wilson (Privy Council visitor to the examinations) in his report on the examinations held in England and Wales during 1962. He reports that the pass rate for candidates sitting one subject was 78 per cent, whereas, of the candidates examined in two subjects, 50 per cent, passed, whilst only about one-quarter of the candidates who were examined in all subjects passed the examination. Professor Wilson refers to the arduous duties of chairmen of the panels of examiners in the Pharmaceutical Qualifying examination (new regulations). He points out that each chairman reviewed upwards of 300 examination papers and suggests that the appointment of external examiners for each

examination centre would be a more appropriate method. The report provides statistical information concerning the examinations. The total number of candidates examined under the old regulations was 595, of whom 364 passed, eighty-nine were referred in one subject, eighty were referred in two subjects and sixty-two failed. Of the 159 candidates examined in all subjects 26.4 per cent. passed, 39 per cent. failed and the remainder were referred in one or two subjects. There were 379 candidates for Part I of the qualifying examination (new regulations). 258 passed in three subjects, eighty-three in two and twenty-six in one subject. Of 150 candidates in Part II of the same examination eighty-five passed in three subjects, forty in two and fourteen in one subject. There were seventy candidates for the Part III examination, thirty-nine of whom passed in four subjects, twenty in three, five in two, and four in one sub-

Nielsen Drug Index

ONLY A MARGINAL TURNOVER INCREASE

CHEMISTS' total average weekly turnover during the period November 8, 1962 to January 9, 1963, inclusive, was £6,398,000. It represented only a marginal increase over the corresponding period of the previous year, when turnover was £6,370,000. The average weekly cash sales in retail pharmacies were:—Multiples, £592; large indepen-

dents, £383; medium independents, £192; small independents, £101. Compared with the corresponding figures for the previous year the increase amounted to 1 per cent. It was estimated that the multiple pharmacies obtained 43·9 per cent. of the total turnover during the period whilst the large, medium and small independents obtained 24·4, 17·5 and 14·2 per cent. respectively. The average weekly National Health Service payments per shop were:—Large independents, £160; multiples, £131; medium independents, £103; small independents, £62. During November 1962 independent pharmacies dispensed 67·6 per cent. of the National Health Service prescriptions (an average of 1,050 per shop per month), whilst the multiple pharmacies dispensed 32·4 per cent. (an average of 1,535 per shop per month). National Health Service payments amounted to 17·6 per cent. in multiple pharmacies and 30·9 per cent. in independents.

Drug Tariff, Scotland

TO TAKE ACCOUNT OF TRADE DISCOUNTS

THE Drug Tariff (Scotland) has been amended "to take account of trade discounts which are received by chemist-contractors on the list prices of these and other proprietary preparations which they dispense under the Pharmaceutical Services." For that purpose, notional prices are to be paid for certain drugs, which are slightly lower than the net list price in the manufacturers' published lists. It was found impracticable to have notional prices for every drug on which discount might be received reflecting precisely the amount of discount obtained, and there are to be notional prices for certain drugs reflecting the discount received on all. The notional prices for the selected drugs will be 5 per cent, lower than



BRIGHTON STUDENTS' WORKS VISIT: Members of the pharmaceutical students' society of Brighton Municipal Technical College pictured recently at the Greenford, Middlesex, headquarters of Glaxo Laboratories, Ltd. The visitors toured the factory and saw something of the work in the pharmacy unit, tablet, pharmaceutical packing and sterile filling departments. They also saw the film "A Vitamin Emerges."

the published prices and are to apply to all pack sizes of the drug concerned, which are as follows:—Agarol, Benylin expect., Carbrital capsules, Chloromycetin capsules, 0.25 gm., Chloromycetin cream, Chloromycetin palmitate, Codis tablets, Hydroderm ointment, Penidural oral suspension, sodium Amytal Pulvules gr. 3, Solprin tablets, Stelazine tablets 1 and 5 mgm., Terra-Cortril ointment, Tuinal Pulvules gr. 3. The notional prices will be brought into effect with the pricing of prescriptions dispensed on or after April 1.

Pest Control

ASSOCIATION'S FIRST CONFERENCE

PEST damage, its cost and how it can be mitigated, was the theme of the first British Pest Control Conference to be organised by the Industrial Pest Control Association and held at Oxford, April 1-3. Welcoming delegates, the president (Mr. G. A. Campbell, Geigy Co., Ltd.), said that the conference met in the reflection of Rachel Carson's "Silent Spring" and if that "clever, audacious but one-sided book" achieved anything, it must lead to a greater public awareness of the potency of the chemicals used to maintain the conditions that made civilisation possible. The conference was a living testimony to the acute awareness felt by the industry and by the Government and other official controlling bodies. He hoped it would become evident to those who followed the arguments put forward at the conference that pest control in Britain was in good hands, and that the problems involved were being tackled in a responsible manner. It might be that biological methods of control showed long-term promise but they required careful thought and planning to initiate and regulate. Meanwhile the chemical methods available had to be used. First speaker was Dr. M. T. Morgan (formerly medical officer of

health, Port of London Authority) who called for the eradication rather than control of rats and mice and criticised the new Animal (Cruel Poisons) Act, which he feared might seriously retard progress in rodent control. "Birth control for birds" was the description given by one speaker to a technique being used in the United States to reduce bird populations where they are a Experiments conducted by the University of Pennsylvania were having some success in reducing the number of red-winged blackbirds. The treated grain used could, it appeared, be tapered off at the desired reduction in numbers.

Social Benefits

LABOUR PARTY PUBLISHES PROPOSALS

A NEW social-security scheme-" the most comprehensive and radical proposal on national insurance since the Beveridge report"— has been made public by the Labour Party. The proposals provide for half-pay for the sick, unemployed and retired. Contributions, graded according to earnings, would replace the existing flat rate now levied for National Insurance, and those with above-average earnings would pay more than the current flat rate. Employers would pay more than at present, but, it is claimed, still less than many of their competitors in some European countries, and less than many progressive employers pay under existing private schemes. The long-term benefits for the retirement pensioner are to be related to previous earnings but the sickness and unemployment benefits are to be similarly assessed for the first year's absence from work, after which there is to be substituted a scheme of long-term flat rate benefits related but to the needs arising from chronic sickness and unemployment. For a single person benefit is one-third average national earnings.

"EXPANSION WITHOUT INFLATION"

Chancellor's Budget keynote. A hint of turnover tax

AN investigation into the possibility of a turnover tax was announced by the Chancellor of the Exchequer (Mr. Reginald Maudling) in his Budget speech on April 3. Mr. Maudling claimed that the keynote of the Budget was expansion without inflation. He abandoned precedent by announcing a number of tax changes during the early part of his speech.

Among the tax reliefs he offered were cessation of Schedule-A tax for owneroccupiers as from January 1964. Land tax is abolished, and the Excise licence for the sale of tobacco is cancelled.

Legislation is being introduced to encourage development schemes in the depressed areas of the country; and in certain circumstances grants of 25 per cent. of the cost of buildings and 10 per cent, of the cost of plant and machinery are being given. In areas of high unemployment the Chancellor is intro-ducing a system of "free depreciation," allowing industrialists to write off capi-

tal equipment at any rate they choose.

The Chancellor said he proposed to extend for one year the "customs

regulator," granting the power to raise or lower indirect taxes, and announced a number of income tax concessions. The £2,000 limit imposed by the 1962 Finance Act on the depreciation allowed on motor cars was being replaced by an allowance for the first year of £1,100 and for each succeeding year of £500.

New European Free Trade Area rates of Custom duty on ethyl alcohol were announced. The new rates of duty for Tariff heading 22.08 (ethyl alcohol or neutral spirits undenatured 140° proof or higher) are £11 12s. 3d. per proof gall, for spirit warehoused three years or more, and £11 13s. 9d. for that warehoused for under three years. The rates for E.F.T.A. countries are now the same as for the Commonwealth (rates of duty on perfumed spirits are unchanged).

Mr. Gordon Richardson, whom the Chancellor named as the person who would conduct the turnover-tax investigation, was a member of the Jenkin committee on company law, is chairman of J. Henry Schroder, Wagg & Co., Ltd., investment bankers, London.

IRISH NEWS THE REPUBLIC

No Pharmacist

DRUGGIST FINED FOR DISPENSING

MRS. Charlotte P. O'Neill, registered druggist, Ballineen, co. Cork, was fined £10 and ordered to pay £18 2s. costs and expenses, when she pleaded guilty at Dunmanway court on March 27 to two charges of having unlawfully compounded and dispensed medical prescriptions on July 9 and August 1962. Mr. J. Gaynor (solicitor for the Pharmaceutical Society of Ireland) said that a prescription tendered by a Society's inspector on July 9 had been dispensed by the defendant, who was not legally qualified to keep open shop for the compounding or dispensing of medi-cal prescriptions. The inspector had cal prescriptions. The inspector had ascertained that there was not a pharmaceutical chemist on the premises. On August 22 another inspector had presented a prescription to an assistant and it had been dispensed by Mrs. O'Neill. Again the inspector had ascertained that there was no pharmacist on the premises. Mr. Gaynor added that, in 1959, the premises had been advertised as "a high-grade pharmacy" offering a prescription service. The registrar of the Society had conducted correspondence with Mrs. O'Neill, pointing out that she must not compound or dispense such prescriptions, or make or insert misleading statements or advertisements. He had received assurances that no prescriptions would be dis-pensed. Despite that assurance, the registrar was given reason to believe that the malpractice had not been discontinued, and an inspector had been instructed to present test prescriptions.

Hospital Pharmacists

NEW AGREEMENT IN OPERATION

95 PER CENT, of the Association of Hospital and Public Pharmacists engaged in the local authority service are now benefiting from the conditions of an agreement reached in November 1962 between the Association, the City and County Managers' Association, and the Dublin Health Authority. That was stated by the Association chairman (Mr. R. J. Power) at a committee meeting of the Association on March 14. For the remaining 5 per cent, the agreement was under review. The Department's approval indicated acceptance of the important rôle of the hospital pharmacists in the health services. For the first time their salary scale compared favourably with that of other professions in the public service. At the committee meeting Miss Browne voiced the disquiet of members in voluntary hospitals at the Hospitals Commission's delay in implementing the agreement. The chairman replied that he had written personally to the Department and the Hospitals Commission, and understood that the matter was under review. Miss Bourke suggested that a further letter should be sent to the Hospitals Commission requesting an explanation for the delay. It was decided to ask for early action. Sympathy was voted to the relatives of the late Miss McCann, Roscommon, who had been a member of the Association.

NEWS IN BRIEF

THE Minister of Health (Mr. E. Powell) is touring the Liverpool hospital region, April 19-24, to see the day-to-day operation of hospital, health and welfare services.

MR. J. Hoyle, M.P.S., his wife and assistant at Mr. Hoyle's pharmacy, 99 Beach Road, Cleveleys, Blackpool, Lancs, were joint winners of £18,400 on the pools recently.

£1,000 in Post Office documents was stolen from the pharmacy and post office business of Mr. J. Garnett, 162 Clayton Road, Bradford, Yorkshire, during a raid on March 8.

GLUTEN-FREE flour when used for the treatment of coeliac disease, has now been added to the list of preparations classified as drugs by the Standing Joint Committee on the Classification of Proprietary Preparations.

THE fourth edition of the Subject Index of Statutory Instruments, Hospital Memoranda and Circulars has been published by The Institute of Hospital Administrators, 75 Portland Place, London, W.1. Price 3s. 6d. post free.

REGULATIONS, effective from April 1, remove liability for flat rate national insurance contributions from people who are in employment after reaching minimum pension age but who do not satisfy contribution conditions for retirement pension.

THE industrial powders division of the Whiting and Industrial Powders Research Council is holding a meeting and exhibition on particle-size analysis at Hatfield College of Technology on April 23.

EXTENSION of a medical identity card scheme, at present on trial in three Scottish counties, to the whole of Britain is being considered by the Minister of Health. The cards carry details of allergies, blood group, immunisations and other factors affecting emergency treatment.

THE annual report (for 1962) of the National Association of Women Pharmacists, just issued, states that the council is putting before its members at the annual meeting in 1963 the question of continuing differences between the rates of pay for men and women in pharmacy. A letter is being sent by the president to all branches asking for contributions to the funds of the centenary meeting of the British Pharmaceutical Conference.

THERE are still some vacancies for the Franco-British Congress being held at Bournemouth, May 3-6, and at which Mr. F. W. Adams (a secretary and registrar, Pharmaceutical Society) is to present the British paper on "How Many Pharmacists does a Community Need?" Registration forms may be obtained from the local secretary, 2 Poole Hill, Bournemouth, or from the secretary, Franco-British Pharmaceutical Commission, 17 Bloomsbury Square, London, W.C.1.

LOCAL OFFICERS PHARMACEUTICAL SOCIETY

Fife.—Chairman, F. Melrose; Vice-chairman, J. S. Archibald; Treasurer, A. B. Arnott; Secretary, S. Wozniak, Lyndale, 1 Linburn Road, Dunfermline, Fife.

TOPICAL REFLECTIONS

By Xrayser

Congratulations

THE CHEMIST AND DRUGGIST

I offer my heartiest congratulations to the doctors and dentists on their having been regarded (p. 323) by a review body, under the chairmanship of Lord Kindersley, as in need of increased pay. Further congratulation is due on the occasion of Government acceptance of the proposed rates. I note that the total amount involved is in the region of £250,000 a year. It may be of interest to note that the estimated savings on the drug bill brought about by the oncost sliding scale and the increased levy were expected to be £1 $\frac{1}{2}$ to £2 millions per annum. The reasons put forward in support of the increases include the fact that incomes in general are continuously rising; that the committee had taken note of the cost of living, and of the movement of earnings in other professions, together with the quality and quantity of recruitment in all professions, as well as the national interest. One must conclude, from the fact that there has been Government acceptance, that the factors enumerated constitute valid arguments for increased pay for doctors and dentists, but my recollection is that those very points were regarded as invalid by the body which recently considered the claim made on behalf of hospital pharmacists. In what respect does the pharmacist differ? Hath he not, like Shylock, eyes? Hath he not hands, organs, dimensions, senses, affections, passions? And does he live in a rarefied atmosphere that is totally unaffected by increases in income in general, movements of earnings and cost of living?

Tardy

Among the many proverbs held up in youth for our future conduct and moral improvement was one that said "Procrastination is the thief of time"—a sword of Damocles designed to give added edge to another which enjoined us never to put off until tomorrow that which we could do today. Life, under such pressure, would have become quite insupportable had it not been for a more understanding and kindly preceptor who drafted an escape clause containing the comforting advice "Better late than never." It is with the last of the three that I am concerned today. One of the many semi-professional duties of the pharmacist is to act as a purveyor of toothpastes which, over the years, have passed through many stages of improvement by the addition of certain ingredients with wonderful properties. Only with the most exacting study has it been possible to keep up to date with the scientific knowledge required to answer the searching questions propounded by an educated public. For example, a tooth-paste containing a mixture of closely related substances of which the constituents are magnesium complexes with porphyrin structure resembling that of hæmoglobin and containing two hydroxyl groups, one of which is esterified with phytyl alcohol and the other with methyl alcohol, was not without its problems, especially when one had to confess that the substance did stain the towel green, whether the chlorophyll used was merely chlorophyll a or chlorophyll b, in which a methyl side chain had been replaced by a formyl group. It all made for light conversation when one had exhausted the usual weather gambit. Now we have gone back to first principles—to the halogens, in fact—and are propounding the theories of fluorides in dental preservation. The discovery was bound to appeal to the tooth-paste manufacturers and to the public, and that brings me back to the apparently irrelevant opening to this paragraph. My specialised knowledge was put to the test this week by a dear old lady who thought that her castles of synthetic ivory -upper and lower—would benefit from fluoride tooth-paste. Her reasoning may not have been unconnected with a coupon for threepence.

Spring

The advent of Spring is brought home to us once more by the calendar, the clock, and the annual photographic issue of The Chemist and Druggist. Once more, I marvel at the advances made and the opportunities offered to all who are interested, regardless of their purchasing power, for it is possible to procure a good instrument for a reasonable, even modest, outlay.

N.P.U. Area Meeting at Porthcawl

A VOTE AGAINST DISCOUNTS ON "ETHICALS"

AN area meeting of the National Pharmaceutical Union, held in Porthcawl on March 31, turned out to be less than the "injection of pep into pharmaceutical lethargy," which the chairman of Bridgend Branch (MR. C. LAVIERS) declared such gatherings to be. Only two resolutions had been tabled and, though each was passed, neither

evoked discussion.

Speaking from "almost the end of my year of office," THE CHAIRMAN (Mr. C. Orrell) said that one of his great disappointments has been the apparent lack of interest of pharmacists in the conduct of their affairs, not only at the top but locally. There had been periodic outbursts of dissatisfaction from groups of live and active pharmacists in different parts of the country, and their criticism has been welcome, both for its own sake and for the effect it might have in stimulating enthusiasm in pharmacists whose interest had been only lukewarm. Until apathy was destroyed and unity obtained, pharmacists were not going to achieve the status or remuneration they deserved. The president of the Pharmaceutical Society had recently stated that apathy was a thing of the past. He hoped that was correct, though to his mind the recent Pharmaceutical Committee elections had not borne out that view. In the recent appointment of 134 Pharmaceutical Committees only twenty-nine elections had

The Executive Committee of the National Pharmaceutical Union, said Mr. Orrell, was working hard and keenly, sometimes against prevailing circumstances, to achieve co-operation if not unity with other bodies interested in the practice of pharmacy. Some welcomed those approaches. Others were not so co-operative. The Union had given all help and assistance asked for by the organisation originally called the Associates' Section and now National Association of Salaried Pharmacists, yet the support that they had obtained so far was only in line with what appeared to be the general level of interest, namely about 10 per cent.

heen necessary

The Executive had met, and had arranged to meet regularly, the organisations of private pharmacists in Ulster and Scotland. Nothing but good could come from co-operation with any association of pharmacists. It was to him a matter of regret that the committee set up to deal with the problems affecting the interests of the N.P.U., Pharmaceutical Society, Association of the British Pharmaceutical Industry, Company Chemists and Co-operative Chemists' Associations, and Guild of Public Pharmacists had been so ineffective during the past year. He believed the Committee could and should achieve that which would benefit the profession as a whole.

National Health Service Matters

The Union's Secretary (MR. WRIGHT) described the course of recent investigations into chemists' costs in providing a pharmaceutical service (see C. & D., March 30, p. 350). Replies were still awaited, he said, from the auditors of some of the members participating in the inquiry, and from an almost equal number of branches of the company chemists. The final analysis would then be completed—he hoped within two months. Some time had elapsed since the inquiry had started, but no time had been wasted. A year ago it had been realised that there was no alternative to such a fact-finding operation. Upon its results active negotiations could be based.

Prices Probe

The Ministry was currently carrying out an investigation into prices paid both for proprietaries and for standard drugs, with a view to establishing the difference between Drug Tariff rates and those actually paid by contractors. The Central N.H.S. Committee had come to the conclusion [reversing previous advice] that every prescription should be endorsed to show the size of pack used.

Wright expressed concern at efforts by two suppliers to sell antibiotics at cheap prices. The widespread use of material from those suppliers might cause a cut in the price allowed to contractors, thus bringing down in its turn both oncost and remuneration. He referred to minor changes in the arrangements for container allowance and oxygen supply; to the recent Joint Industrial Council agreement; and to the considerations behind the Central N.H.S. Committee's decision not to accept representation of the Council of the Pharmaceutical Society upon its membership.

The first of the two resolutions was put at that point in the proceedings. Its

terms were:

THAT to offset the present disadvantages suffered by the smaller retail pharmacist, the N.P.U. Executive Committee should urgently seek the co-operation of members of the A.B.P.I. in the cessation of special discounts for larger parcels of ethical preparations, such as are pre-scribed under the National Health Service.

Moving the resolution, Mr. J. I. James, Swansea, said that the motion was important because the Minister obviously intended to continue his hunt for "hidden profits." So long as part of pharmacists' remuneration was made up of oncost, the Minister must seek the lowest basic price. That might be a price less quantity discounts, a price for bulk quantities or whatever other price was cheapest to the Minister. To fix such a price as the rate for all would mean a real and substantial loss to chemists unable to buy in quantity. The N.P.U. had a responsibility to all members, whether large or small, and the resolution was aimed at securing equal treatment for all.

Discussion on N.H.S. matters turned first on oxygen supply. One questioner was told by MR. WRIGITT that the allowance for delivery was being attached to the cylinder, thus making recoverable the costs of delivering replacement cylinders. Another member gave urgent advice to contractors to endorse prescriptions with the size of cylinder sup-

Mr. E. C. E. Weekley, Cardiff, asked for a platform comment on the urgency of "urgent" prescriptions as, in his view, contractors living on their pharmacy premises were providing urgent service "at a very cheap rate" and should receive higher fees for it. Mr. WRIGHT said that, while Queen Square did not consider present "urgent" fees to be at the right level, they were concentrating on improving remuneration in general. He told another questioner that there was no possibility of the Ministry's accepting patients' endorsements of prescriptions as "urgent.

MR. J. A. HARRIES, Pembrokeshire, put forward a suggestion that the Central N.H.S. Committee should act as main contractor to the Ministry, with chemists as subcontractors. The proposal was described by MR. WRIGHT as "an interesting thought," but he could not at first sight see it as solving chemists' problems. "Facts and figures," he repeated, were necessary if the Minister's attitude was to be influenced.

N.P.U. Matters

Under the heading "N.P.U. Mat-rs" MR. G. T. M. DAVID (a member of the Executive) said the aim of achieving professional status was worthy and in part realisable, but in the meantime chemists must remain viable, and there was competition to meet. It was not unprofessional to adopt modern accounting, stock-control and merchandising methods, and the Executive was urging members to give attention to those important elements in profitability. The Marketing Policy Committee considered that its function was to help members to merchandise effectively, and it only sponsored products in accordance with three criteria-first that members could not obtain a product at competitive prices (examples: the N.P.U. hot-water bottles, cotton wool and glucose); secondly to meet pricecutting by competitors (the N.P.U. toilet roll); and thirdly that chemists could not obtain products at the same price and quality as other retail competitors. Two new products aimed at overcoming the third problem were being introduced on May 1: face tissues and a hand cream. A carton forming a "tumbler" display was being prepared for the toilet rolls.

General business matters were dealt with by Mr. W. TALVAN REES (a member of the Executive) who reviewed the facilities offered to members by the N.P.U. group of organisations. Among other things he described the Union's efforts since 1955 to establish a staff-training scheme. To gain information he had himself attended a course in the subject ["at my own expense"]. Later a scheme had been prepared that had been recorded on tape for sending out to branches, but that had not proved

to be the answer. Then the experiment had been tried of setting up a model pharmacy at Queen Square and providing instruction there. That method had been expensive and the response had not been rewarding. The Executive was now examining the possibilities of a postal course. Success would depend on the enthysisem of the pharmagist of the enthusiasm of the pharmacist or manager whose staff were taking part. Another matter in which the Executive was active was the safeguarding of chemists' business interests in shoppingarea redevelopment schemes, especially under compulsory purchase orders. Members were going to be asked to take action backing up that taken by the Executive.

MR. J. H. ELLIOTT, Circumster, thought the question of staff training might be solved better and at less expense by linking up with salesmanship courses arranged at local technical schools in conjunction with chambers of trade, youth employment officers, etc. Such a scheme had operated suc-

cessfully in his own town.

MR. W. NICHOLAS, Swansea, presenting a motion on the subject from his branch, said that his colleagues thought

the N.P.U. had been "thinking too long" about it, and part of the intention of the motion was to precipitate action. A postal course, he thought, was useless. The N.P.U should set up short training courses locally under guarantees of participation by groups of members, who would share the cost. The cost should work out at not more than £5 per head and should prove an excellent investment. The motion, which proposed

THAT an adequate scheme of staff training for counter assistants be formulated by the N.P.U. Executive Committee, and that serious consideration be given to instituting training schools at specified centres in England and Wales, along the lines of the well-established cosmetic

training schools,

was carried with but a handful of votes

against.

That concluded the formal agenda, but MR. R. H. KEMP, who was performing his last task before retiring, made a farewell statement and introduced his successors: Mr. J. McClenahan in local organisation and Mr. John Ferguson in the answering of certain classes of members' problems.

N.P.U. AND SALARY SCALES

A statement from the Executive

The following statement has been issued by the Executive Committee of the National Pharmaceutical Union:

The N.P.U. has recently been the subject of censure in the trade press in respect of the new J.I.C. agreement. In view of the wholly unjustified and in some cases quite irresponsible criticisms which have been made, the Executive Committee feels it necessary to state the following points:-

- 1. The suggestion that the new rates for pharmacists were the result of hard bargaining by the Employers' Side to reduce the Trade Union claim is wholly without foundation. The Trade Union's application included no claim whatsoever in respect of salaries but confined itself solely to an application for increase in rota fees and a reduction in the number of weekly hours. initiative for the substantial increase in the salary scale came entirely from the Employers' Side, linked with the proposal for a separate Agreement for Pharmacists more appropriate to and consistent with the pharmacist's posi-tion, e.g. annual salaries as opposed to weekly wages, etc. The figures as finally agreed and the basis of the new separate Agreement are, with only a few minor exceptions, exactly as proposed by the Employers' Side as far back as September 1962.
- 2. The Executive Committee of the N.P.U. and the Employers' Side of the J.I.C. have similarly been blamed quite wrongly for the outcome of the Industrial Court Hearing on hospital pharmacist salaries. These are the facts:-

In July 1961 the Central N.H.S. Committee approached the Guild of Public Pharmacists and suggested that a Liaison Committee should be set up between the Guild and the Committee. A Committee was set up and in subsequent meetings in 1961 there was discussion on N.H.S. remuneration in retail pharmacy and on the hospital pharmacists' salary claim. No approach was made by the Guild to the Central N.H.S. Committee or to the N.P.U. Executive Committee during 1962 in connection with the Industrial Court Hearing and neither Committee was aware that the Hearing had taken place until the result was announced on July 7.

The report of the Hearing makes it clear that the Ministry of Health spokesman, who must have known that the figures in the then current J.I.C. Agreement bore little relation to salaries actually paid to pharmacists in retail practice, compared the J.I.C. minima with the salaries claimed by the hospital pharmacists in a way which, in our opinion, can only be regarded as unfair.

The Staff Side of Committee "C" of the Pharmaceutical Whitley Council, two-thirds of whose members are Guild nominees, quoted advertisements in the pharmaceutical press in support of a contention that the J.I.C. minima were completely unrealistic but their argument was of no avail. No request whatsoever was made to the N.P.U. for assistance. The N.P.U. Executive Committee conducted an inquiry in April 1962 into the salaries paid to pharmacist managers in England and Wales during the years 1957/8 and 1961/2 and was, therefore, in possession of factual information on salaries actually paid some three months before this Industrial Court Hearing. The N.P.U. Executive Committee would have been pleased to help the Guild had it been given the opportunity of doing so. It must, furthermore, be borne in mind that as opposed to hospital salary scales which are standard and embody totally different terms of service benefits such as holiday and pension rights, J.I.C. rates can only operate as minima. In most cases, they are exceeded but a scale of this type covering as it does a very wide variety of managerial positions, with wide variations in degrees of responsibility, duties, benefits, etc., cannot be framed on an average or standard basis.

3. It has similarly been stated that the Ministry in dealing with the claim for increased N.H.S. remuneration will seek to use the J.I.C. rates to the detriment of the retail pharmacist. The current inquiry, the format of which was agreed with the Ministry before the work commenced, calls amongst all the other information for actual salaries being paid at each of the pharmacies in the sample and those are the figures which will go into the final calculations. If the true cost of providing the Pharmaceutical Service is to be ascertained, and that is the joint wish of the Central N.H.S. Committee and the Ministry, no other course could in fact be adopted.

PRESENTATIONS TO MR. R. H. KEMP

Farewell luncheon in London

AFTER a quarter-century on the staff of the National Pharmaceutical Union Mr. R. H. Kemp retired on March 31. On his sixty-fifth birthday on March Mr. and Mrs. Kemp were given farewell luncheon in London at which were present the members of the Executive, senior executive staff, heads of departments and long-service staff of the organisation, as well as Mr. A. H. Moseley, Birmingham (treasurer, R. H. Kemp presentation fund) and Mr. H. M. Lovell, Weston-super-Mare, who had first suggested that such a fund should be set up.

"In Warm Regard"

A toast to Mr. Kemp's health and happiness was proposed by MR. W. J. TRISTRAM, who said Mr. Kemp and he had not only qualified on the same day but had been associated together in the Liverpool Chemists' Association. Mr. Kemp had served the N.P.U. in almost every capacity. He had worked enthusiastically for C.F., first as assistant secretary and then as secretary; for the Business Purchase and Guarantee Fund (and many proprietor chemists had special reason to thank him); in local organisational work; and in organising the Union's own social functions, Mr. Kemp was held in warm regard by N.P.U. branch secretaries and members.

A number of presentations were then made-of a gold watch by Mr. Tristram as doyen of the Executive and on their behalf; of an initialled morocco document case and cheque by Mr. Moseley on behalf of N.P.U. members and C.F. manufacturers who had contributed to the presentation fund; of a cine camera by Mr. J. Wright (N.P.U. secretary) on behalf of the staff; and of an inscribed lignum-vitae mortar and pestle (made by Mr. McClenahan) on behalf of the senior executive staff of the Union

Acknowledging the presentations, Mr. KEMP said that in his twenty-five years with the N.P.U. he had visited over 1,000 pharmacies in England and Wales as well as pharmacies in Scotland and Northern Ireland. He left Queen Square feeling he had made many permanent

friendships in pharmacy.

IN PARLIAMENT

By a Member of the Press Gallery, House of Commons

WHEN announcing the appointment of Baroness Elliot as the first chairman of the Consumer Council on March 26, MR. F. J. ERROLL (President of the Board of Trade) indicated that the terms of reference of the Committee were as follows:—

l (a) To inform itself about the consumer's problems and about matters

affecting his interests:

(b) to consider, after consultation where necessary with other affected interests, the action to be taken to deal with such problems, or to further or safeguard such interests and to promote that action;

(c) to provide advice and guidance for the consumer, in particular through the Citizens' Advice Bureaux and other appropriate organisations and by its

own publications;

(d) to publish an annual report.

The following are excluded from the Council's functions, namely:

(a) the preparation or publication of

comparative test reports;

(b) the taking up of complaints on behalf of individual consumers; and (c) law enforcement action;

Cross-infection in Hospitals

MR. R. W. SORENSEN asked the Minister of Health a number of questions on March 25 regarding the problem of cross-infection in hospitals. MR. ENOCH POWELL (Minister of Health) said that detailed advice on the problem was given in 1959 and all hospital authorities should have their own machinery to watch and control cross-infection. His professional advisers were in touch with hospital authorities and watching the implementation of the various measures.

Drug Control

MR. K. ROBINSON asked the Minister of Health on March 25 what further advice he had received from the subcommittee of the Standing Medical Advisory Committee that was considering the problems of drug control. MR. POWELL replied, "None as yet." MR. ROBINSON then asked if the Minister could give some indication of when he was likely to be able to make a statement. MR. POWELL'S reply was that he could not give a precise indication, but he understood the subcommittee was making good progress.

Fluoridation

Dental health, fluoridation, and the consumption of sugar were all referred to in a number of questions addressed to the Minister of Health on March 25. MR. JOHN HALL asked if the Minister of Health was right in his policy in continuing fluoridation of water supplies, "Is it not wrong that we should be forced to take drugs or other medicaments whether we wish to have them or not without any alternative?" MR. BERNARD BRAINE (Joint Parliamentary Secretary, Ministry of Health) pointed out that fluoridation was simply the process of adding to water something which was already present and the fluoridation of water

supplies had the effect of halving the incidence of dental decay in children.

Migraine

MR, J. RANKIN asked the Minister of Health if he would state the number of National Health Service hospitals where research into the causes of migraine was being carried out. MR. BRAINE replied, "Clinical research and trials are in progress at the National Hospital, King's College Hospital and Elizabeth Garrett Anderson Hospital in London and at the Birmingham and Midland Eye Hospital. Later he told the questioner that if anything was holding up research it was not lack of money but lack of a positive lead.

Weights and Measures Bill

MR. DAVID PRICE (Parliamentary Secretary to the Board of Trade) intro-duced the third reading of the Weights and Measures Bill on March 25. He said the Bill's task was to regulate those aspects of buying and selling which were concerned with quantity. On those basic principles there had been very little disagreement between the two sides of the House. All had agreed on the desirability of protecting the consumer so far as was practicable, bearing in mind that retailers, wholesalers, manufacturers and producers had their rights too. The Bill provided flexibility in that it allowed for changes in public attitudes towards consumer protection, and changes in the methods of production, distribution, marketing and retailing. Although the Bill did not contain the phrase "deceptive packaging," it dealt with the problem in a general way which the Molony Committee had recom-mended. A number of regulations concerned mainly with the construc-tion, testing and stamping of weighing and measuring equipment would be issued within six months of the Bill being enacted. There would be a reissue of existing regulations made under Acts that were to be repealed. An order was also being issued within six months giving an authoritative English translation of existing inter-national definitions of metric and electrical units. So soon as possible after the enactment, the Board of Trade would also issue the various regulations affecting the commodity schedules of the Bill that came into force two years after enactment. It was the Board of Trade's intention to consult interested parties about the substance of the regulations in good time. Mr. George Darling expressed concern about the danger of the legislation breaking down because of insufficient inspectors. Mr. A. J. IRVINE pointed out that the Bill did not apply to goods for export. Mr. Denzil Freeth (Parliamentary Secretary for Science) referred to an American shopping meter that enabled the shopper by means of concentric logarithmic scales to compute whether $5\frac{3}{4}$ oz. of tooth-paste sold for 83 cents was better value than $4\frac{5}{8}$ oz. sold for 69 cents and added, "Significantly, the originators of this shopping meter have in preparation a model for use with sterling currency and imperial measures."

Throat Lozenges

MR. H. R. GOWER asked the Minister of Health on March 25 what reports he had received of the consequences of self-medication by persons taking antibiotic throat lozenges, etc.; what evidence he had of tolerance created by such self-medication; and what action he was taking in that matter. MR. BERNARD BRAINE replied. "None."

Selenium Sulphide Hazards

MRS. J. S. BUTLER asked the Minister of Labour on March 25 if he was aware of the hazards to women hairdressers of selenium sulphide; and what action he was taking to restrict its use. MR. W. S. I. WHITELAW said that evidence of such hazards had not been brought to the notice of the Minister of Labour but he would examine any information that Mrs. Butler might care to send him.

Electric Blankets

Mr. A. E. Oram asked the Home Secretary if he would make regulations under the Consumer Protection Act, 1961, to issue standards of manufacture of electric blankets and bed-warmers. MR. C. M. WOODHOUSE (Joint Under-Secretary of State) in a written reply on March 28 indicated that the British Standards Institution was reviewing present standards for electric blankets and if it was found, after the revised standard was available, that blankets continued to be on sale that did not satisfy the standard the Home Secretary would be prepared to consider making regulations under the Act.

Purchase Tax Losses

MR. RONALD BELL asked the Chancellor of the Exchequer if he would give further consideration to the difficulties of retail traders when purchase tax rates were reduced and if he would make a further attempt to find a solution to the problem. Mr. EDWARD DU CANN (Economic Secretary, Treasury) in a written reply on March 28 said that the matter was the subject of an inquiry in 1952-53 by an independent committee under the chairmanship of Sir Maurice Hutton. The committee examined the problem very thoroughly, and were not able to find a comprehensive answer to it, and despite constant re-examination, none had been found since. The basic considerations on which the committee reached its conclusions, which were accepted by the Government, had not changed and, therefore, no useful purpose would be

served by a further inquiry.

Supporting a plea by MR. A. E.
ORAM on April 2 for the compensation
of retailers for losses incurred on stocks
held by them when purchase tax reductions were made, SIR G. NICHOLSON
said it was a real problem that "hits

people such as small chemists in villages quite hard." It seemed most unjust that a very small village shopkeeper should lose £200 because of administrative difficulties. MR, A. BARBER (Financial Secretary, Treasury) recognised the hardship that was caused when purchase tax was reduced but the pharmacists' position was specifically considered by the Hutton Committee and it failed to find some way of solving the difficulty.

Chemicals Used in Agriculture

MR. J. SCOTT-HOPKINS (Joint Parliamentary Secretary, Ministry of Health) in a written answer on March 27 informed Mr. J. A. FARR that during 1962, 154 notifications were received under the Notification Scheme for Chemicals used in Agriculture, Twentyone failed to gain clearance, two were withdrawn and three were cleared for extended trials only. Twenty were agreed only after modification of the manufacturers' original proposals. Fourteen were cleared provisionally for one year in order to obtain further data following commercial application, and they would be reviewed at the end of the period. Of the total of 134 notifications, only thirty-five related to new chemicals.

Testing of Drugs

LADY SUMMERSKILL, in the House of Lords on March 27, asked the Government when it was proposed to establish an organisation, independent of the pharmaceutical industry, empowered to subject drugs to an adequate test before they were distributed, having regard to the recent warning from the industry that imipramine and Marzine might cause foetal abnormalities. LORD NEWTON (Parliamentary Secretary, Ministry of Health) said that the Health Ministers hoped to make a statement after they had received a further report from the Subcommittee on the Safety of Drugs, LADY SUMMERSKILL suggested that the industry's warning was proof that the matter was urgent. LORD NEWTON agreed that it was an important matter but it was not a simple one. LADY SUMMERSKILL then asked how Lord Newton could reconcile his answer with the fact that immediately following the thalidomide tragedies "America had introduced legislation of the type that she was demanding." Scandinavia had done the same and many other countries had recognised "that if the industry is given a free hand then it appears it gets irresponsible and is prepared to put on the market, and keep on the market, drugs which have never been subjected to adequate testing."

LORD NEWTON did not think that it was reasonable to say that anybody was irresponsible about the matter, whether manufacturers or "members of Lady Summerskill's profession who prescribed so many of the drugs." Lady Summerskill knew that two drugs she had mentioned had been distributed for some years. Imipramine had been on the market for over four years and was obtainable only on prescription, and Marzine for ten years. Whenever machinery might be introduced for adequately testing drugs before distribution "there will always remain the risk that drugs that have been available and used for many years may be discovered

to have side effects which previously may not have been envisaged or discovered." LADY SUMMERSULL. LADY SUMMERSKILL referred to a circular issued by Burroughs Wellcome & Co., saying it suggested that drugs had been circulated for many years but only now had they been tested on pregnant animals. She added, am saying that the Ministry should have said that all these drugs should have been taken off the market until a test was made on a pregnant animal." LORD NEWTON pointed out that all that could be done when a drug had been in use for many years, and something new was discovered about it was to see that adequate warning should be given. LORD SILKIN pointed out that by implication the original question assumed that the Committee would be investigating new drugs before they were distributed. The question of existing drugs was another problem. LORD NEWTON agreed and said that Lady Summerskill first referred to the testing of new drugs before they were placed on the market and then mentioned two drugs that had been on HORSBRUGH asked when a new drug became an existing drug and LORD NEWTON replied, "When it is no longer new." the market for years. Later, BARONESS

Teratogenic Drugs

MR. T. DRIBERG asked the Minister of Health on April 1 what steps he was taking to check the distribution of imipramine, Marzine, and any other drugs that might lead to foetal abnormalities. Mr. ENOCH POWELL (Minister of Health) said that imipramine was available only on prescription. A warning label was being attached to Marzine, which was "under consideration by the Poisons Board." MR. DRIBERG then asked "Have any supplies of these drugs been distributed in circumstances which could lead to anything like the thalidomide tragedy? Is the Minister satisfied that there could not be a similar situation?" MR. POWELL'S reply was "I should make it clear that it has not been established that either of those drugs can in fact produce these effects in the human foetus, but in general it is most desirable that in the early stages of pregnancy any drug should be taken only on medical advice." Dr. BARNETT Stross asked if the Minister was aware that many drugs on some animals could bring about abnormalities in the foetus and added that aspirin in large doses had that effect in mice, but it did not follow that such doses would affect human beings, MR. POWELL said he was aware of that situation MR DRIBERG: "Was not thalidomide distributed on on medical advice?" MR POWELL: "Yes, but the evidence in regard to thalidomide is entirely different from the evidence in regard to these drugs.'

Control of Medicines

DR. STROSS asked the Minister of Health if he would introduce legislation to provide for the control of medicines, drugs and poisons and for such control to be vested in the Minister of Health, the Secretary of State for Scotland and the Minister of Agriculture, Fisheries and Food. MR. POWELL said that he expected advice on that subject from the joint subcommittee on the safety of drugs. DR. STROSS then

wanted to know if, when the Minister had received the Committee's report, he would bear in mind that "a medicine was either quite inert and therefore useless or was potentially a poison," would he therefore put an end to the rather absurd anomaly of allowing the Home Office to have charge of a field of activity that the Minister of Health should be supervising completely. Mr. POWELL suggested that the supplementary question drew attention to one of the many difficulties that made it particularly advisable to await the guidance of the subcommittee.

Offices and Shops (First-Aid)

MR. C. JOHNSON asked the Minister of Labour, on April 1, what obligations would be placed on employers by the Offices, Shops and Railway Premises Bill to maintain a specific number of persons trained in first-aid. He wanted to know what arrangements were proposed to ensure the availability of trained persons. MR JOHN HARE (Minister of Labour) said that he proposed to consult the voluntary organisations about the provision of training facilities.

Liver Fluke

Extensive field and laboratory studies by the Ministry of Agriculture's Veterinary Service have demonstrated a close correlation between weather conditions and liver fluke disease. A method had been devised of using meteorological data to forecast outbreaks of the disease, stated MR. J. SCOTT-HOPKINS (Joint Parliamentary Secretary, Ministry of Agriculture) in a written answer on March 29 to MR. CLIVE BOSSOM.

INQUESTS

Overdose of Aspirin.—Returning a verdict of suicide on a fifty-four-year-old Widnes grocer at an inquest at Whiston Hospital, on March 5, the South-west Lancashire coroner said the case was "yet another tragedy of ill-health." The inquest was on Donald Herbert Nall, 17 Thorpe Street, Widnes, who died on March 1 as a result of taking an overdose of aspirin tablets.

Death After Vaccination.—A full investigation into the method of injection and into the yellow-fever vaccine used was called for by the West Cheshire coroner when he adjourned an inquest on Thomas Bernard O'Dwyer, Glendyke Road, Great Sutton, who died three days after receiving an injection for protection against yellow fever. A pathologist who carried out a post-mortem examination said that death was caused by streptococcal septicæmia, and it was possible to say that, if O'Dwyer had not had the inoculation, he would not have had septicæmia. In evidence it was stated that O'Dwyer had planned to go to Northern Rhodesia accompanied by his wife and son, and that on March 22 they had attended Liverpool Public Health Department for vaccination.
The following day O'Dwyer had complained that his left arm was sore and swollen, and he died on March 25, a few hours after admission to Clatterbridge hospital, Wirral. During the inquest it was reported that his wife, who was inoculated at the same time, was also seriously ill.

LEGAL REPORTS

"Took a Chance"

A Southampton chemist who employed an unqualified person to dispense four prescriptions containing poisons was said by an inspector, prosecuting for the Pharmaceutical Society, at South-ampton magistrates' court on March 2 to have "unfortunately taken a chance and had the misfortune to be caught red-handed." The chemist, Nigel Buckingham, Millbrook Road, Southampton, pleaded "guilty" but was not present in court. He was summoned by the Society for illegally selling drugs containing poisons in part 1 of the second schedule to the Poisons List Order, 1962. The inspector said he called at one of Buckingham's shops in Millbrook Road and asked to see the pharmacist in charge, but was told he had the day off. A woman who dispensed the prescriptions admitted she was not a pharmacist. Buckingham was alleged to have said his manager had asked for the day off and he could not find a locum to take over. On behalf of the defendant it was said that the woman in the shop was a "near qualified" person whom Buckingham had known for some years. As he had been unable to find a locum the only alternative would have been to close the shop. The prescriptions were for proprietary medicines, prescribed by a doctor under the National Health Service and there was a duty upon the chemist to supply them. Buckingham was fined a total of £40 and given seven days to pay.

Purchase-tax Evasion

For the fraudulent evasion of purchase tax on toilet requisites, smokers requisites, stationery and pharmaceuti-cal products, André Lucien de Lon, Traps Lane, New Malden, Surrey, was sentenced at Bow Street, London, magistrates' court, on March 27, to twelve months imprisonment. Mr. de Lon was a director of Regnito (Distributing) Co., Ltd., Maddox Street, London, S.W.1, and of J. Webster (London), Ltd. and Gill Davis, Ltd., both of Garratt Lane, London, S.W.17. The companies were fined £17,000, £15,000 and £500 respectively. It was alleged that, though most of the stock sold by the Regnito Co., was subject to 25 per cent. purchase tax, in some cases only 7, 8 or 10 per cent. tax had been collected. Two types of invoices were issued, one from which the purchase-tax returns were extended, and the other, an unofficial one, showing the amounts collected from customers. De Lon agreed that purchase tax evaded over the years might have amounted to £30,000. The investigations revealed that, in the period from June 1961 to November 1962, £7,000 in purchase tax was paid, but £25,242 was not accounted for. £9,000 had been paid since. Mr. de Lon said that customers had demanded extra discounts, and he could name other wholesalers who were similarly engaged in evading purchase tax. It was alleged that bank accounts of the other two companies could be used to avoid awkward situations that might have arisen if all the money went through Regnito's accounts. The companies and de Lon pleaded guilty.

COMPANY NEWS

Previous year's figures in parentheses

GLAXO RESEARCH, LTD.—Dr. J. Paterson Currie has been appointed a director.

JAMES A. JOBLING & CO., LTD.—Mr. Brian Turpin has been appointed managing director.

MACARTHYS PHARMACEUTI-CALS, LTD.—An interim dividend of $7\frac{1}{2}$ per cent. is declared for the year ending April 30.

JOHNSON, MATTHEY & CO., LTD.—The group bid for the acquisition of Blythe Colour Works (see C & D., March 9, p. 249), has been accepted by holders of over 94 per cent. of the 2.5 million Ordinary shares of Blythe Colour Works.

ROLLS RAZOR, LTD.—The directors have decided to increase the offer for the "A" shares of Bylock Electric, Ltd. (see C. & D., March 16, p. 278) to one Ordinary share of 1s, each of Rolls for every fifteen "A" shares of Bylock. The terms will apply to all those holders of shares who have already accepted.

J. R. GEIGY A.G., Basle, Switzerland.—The share capital is being increased from 36 million to 45 million francs. Holders of each four shares have the right to buy one new 500 franc share for 1,500 francs. Market value of the shares is around 16,000 francs. The shares can only be bought by Swiss citizens.

GLAXO GROUP, LTD.—Arrangements have been completed for the purchase by the group of all the share capital of the New Apothecaries Co., Ltd., a private company carrying on the business of pharmaceutical wholesalers in Glasgow. The purchase consideration was £100,000 which was satisfied by the issue of 48,075 Glaxo Ordinary 10s. Stock Units and a small payment in cash.

DISTILLERS CO., LTD.—A major reorganisation of the company's chemicals and plastics interests has been carried out, with a view to decentralising responsibility and making each operating unit more directly accountable for its own finances and profitability. From April 1 these interests are merged in a new chemicals and plastics group. Chairman of the group is Mr. G. F. Ashford, former chairman of the chemicals group and a member of Distillers' management committee. On the same date Mr. R. S. Cumming succeeded Sir Graham Hayman as chairman of Distillers.

N.V. PHILIPS-DUPHAR. — In the company's annual report for 1962 it is stated that products resulting from the company's own scientific research continued to claim an increasing share of sales. European integration in the pharmaceutical-chemical field is, the report states, being severely impeded by the existence of far-reaching regulations showing marked disparities from one country to another. The competent authorities, in conjunction with international industrial organisations, are attempting to remove these obstacles as quickly as possible, and the company are giving vigorous support to those efforts.

MONTECATINI SOCIETA GEN. PER L'INDUSTRIA MINERARIA E CHIMICA.—The group is not paying a dividend from 1962 profits, but share-holders will receive Lire 85 net per share through a special distribution from reserves. (For 1961 Lire 115 per share was paid on smaller capital from profits.) Profits were down to Lire 13,512 millions from Lire 14,953 millions in 1961, despite record production and sales. The fall in profits stemmed from a number of "unfavourable factors," the directors state. This year Lire 6,750 millions of profits will go to a new reserve fund to be used for building industrial plants in Southern Italy and the remainder will go to undivided profit reserves.

FISONS, LTD.—Negotiations have recently been completed for the sale by Fisons, Ltd., of their interest in the British Sulphur Corporation, Ltd., a small company formed in 1951 with a share capital of £2,000, which has in recent years conducted market research into raw materials used in the fertiliser industry. The company has also provided consultancy services in connection with their business as publishers of three international journals, Sulphur, Nitrogen, and Phosphorus and Potassium and the N.P.K.S. Abstracts Bulletin. Purchasers are Major-General G. E. Wildman-Lushington and Mr. J. M. Lancaster (the present chairman and managing director respectively of the British Sulphur Corporation), whose intention it is to continue and expand the present activities of the Corporation both as publishers and as consultants.

ALBRIGHT & WILSON, LTD. -In his annual statement the chairman (Sir Sydney Barratt) states that, although the 1963 group profit is unlikely to show any "dramatic change," any movement should be upward rather than downward. Each of the major subsidiaries expects to increase its sales and the gradual improvements in the affairs of the Canadian and Australian companies are likely to continue. At home the demand for chemical products was not buoyant and profit margins in many sectors were subject to continuing pressure from competition. Capital expenditure at £3.54 millions was less than half the previous year's exceptionally high figure and rather less than had been intended. Expenditure on a number of projects was delayed and 1963 plans include several of such projects. At the end of 1962 work was in hand on schemes involving future expenditure of nearly £3½ millions, mostly in the current year. (For 1962 accounts and dividend see C. & D., March 9, p. 250.)

CUSSONS GROUP, LTD.—At an extraordinary general meeting of Cussons Sons & Co., Ltd., on April 1, special resolutions were passed changing the name of the company to Cussons Group, Ltd. An ordinary resolution was also passed reconverting the ordinary stock and "A" ordinary stock into ordinary shares and "A" ordinary shares of 2s. each respectively. The name of Cussons Manufacturing, Ltd., has now been changed to Cussons Sons & Co., Ltd. Cussons Group, Ltd., now becomes the parent company controlling all the group's activities. Home trade and manufac-

turing will be carried on by Cussons Sons & Co., Ltd. and all export activities by Cussons (International), Ltd. The activities of the other companies in the group remain the same. Messrs. G. W. L. Roach and H. C. Goodwin have been appointed directors of Cussons Sons & Co., Ltd., and J. Burnett and N. Cussons directors of Art Box Co., Ltd.

BUSINESS CHANGES

HUMPHREYS (CHEMISTS), LTD., is the new trading title of A. S. Gordon (Chemists), Ltd., 5 Salisbury Square, Cardiff.

PHILIP HARRIS, LTD., 144 Edmund Street, Birmingham, 3, have formed a subsidiary (Philip Harris Medical, Ltd.) to take over the activities of their pharmaceutical and surgical divisions.

GROUT & CO., LTD., Great Yarmouth, are to trade as Grout & Co. (branch of Carrington & Dewhurst, Ltd.), Bandage sales will continue to be made from Great Yarmouth and remittances should be sent there as previously but made payable to Carrington & Dewhurst, Ltd.

MR. J. A. MCROBERTS, 71 Ormeau Road, Belfast, who has been trading in partnership with Mr. David Norman McConnell since April 1957 under the style of "J. A. McRoberts" retired on March 31. Mr. McConnell will be continuing the business on his own account but under the same name and at the same address as previously.

PERSONALITIES

MR. ALLEN ALDINGTON, M.P.S., one of the representatives of the Pharmacoutical Com-

maceutical Committee for the County of London ' on the London Executive Council, has been elected chairman of that Council for the year commencing April 1. Mr. Aldington has been a member of the Pharmaceutical Committee since July 1950 when he



succeeded the late Mr. A. R. Melhuish. He is the only pharmacist to become chairman of the Executive Council. By coincidence the late Mr. Melhuish was the only pharmacist to be made chairman of its predecessor, the London Insurance Committee. Mr. Aldington was appointed a member of the Executive Council in March 1951 and has served as representative of the Pharmaceutical Committee for the past twelve years, for the last three of which he was vice-chairman. In July 1954 he became chairman of the Pharmaceutical Committee for the County of London, serving in that capacity until March 1956. He is also a member of the Council of the Pharmaceutical Society, of the National Pharmaceutical Union Executive (of which he was chairman in 1956-57), of the Central N.H.S.

(Chemist Contractors) Committee, and of the Tottenham Group Hospital Management Committee.

MISS MAXINE FACTOR, nineteenyear-old grand-daughter of the founder



of the Max Factor organisation, is already taking an active part in the business side cosmetics of and make - up. After an intensive training at a leading Hollywood salon, she is at present visiting Britain, where she is scheduled to tour several of the large pro-

vincial cities for the purpose of meeting girls, especially in the teenage group, to advise them on their skin and make-up problems.

MR. JOHN SWAN, M.P.S., F.S.M.C., who has been sales director of Herbert

Ferryman, Ltd., for the past eighteen years, retired from active business on March 31, but is continuing as a director of the He company. was presented with a tape recorder by the company and with a clock and fountain pen by the staff. Mr. Swan has al-



ways taken an active part in branch activities, and was secretary of the Southampton Branch of the Pharmaceutical Society for five years and chairman for one year. He was also secretary of the Southern Regional Conference during its first five years. Mr. Swan is continuing his work as a member of the Southampton Hospital Management Committee.

MR. V. RICHARDS, joint director in the newly formed company, Richards & Appleby, Ltd. (see p. 366), has been managing director of Allcock Products, Ltd., since 1949. He is also an ex-





Mr. T. R. Appleby

Mr. V. Richards

captain of the Royal Birkdale Golf Club. MR. T. R. APPLEBY was, for twenty-five years, with J. C. Gambles, Ltd., for many years as sales director, later as managing director.

DEATHS

BELL. — Recently, Mr. William Austin Bell, M.P.S., 26 Lysways Street, Walsall, Staffs, aged eighty-six. Mr. Bell bought a pharmacy in Park Street, Walsall, during 1914 and later had interests in pharmacies at West Bromwich and elsewhere in Walsall.

BIRCH.—Recently in hospital, Mr. Walter Hutton Birch, M.P.S., 1 Gorton Road, Reddish, Stockport. Mr. Birch qualified in 1920.

BOLAND.—On March 15, Miss Mary Wynne Boland, M.P.S., 10 Ilford Road, West Jesmond, Newcastle-on-Tyne, 2. Miss Boland qualified in 1931.

CHAMPKIN.—Suddenly, Mr. R. H. Champkin, who was commercial office and distribution division manager, Laporte Chemicals, Ltd. Mr. Champkin joined the company at Luton as a boy in 1927, subsequently becoming assistant commercial manager, He was a member of the Transport Users' Consultative Committee (London area) and served on the traffic committee of the Association of British Chemical Manufacturers.

GAULD.—On March 22, Mr. John Cormack Mutch Gauld, 69 Basingstoke Road, Reading. Mr. Gauld qualified in 1922, and had been in business in Reading for upwards of twenty-five years. He leaves a widow.

KELLS.—On March 13, Mr. Robert Kells, M.P.S.N.I., 3 Castlereagh Street, Belfast. Mr. Kells qualified as a pharmaceutical chemist in Northern Ireland in 1926. For a number of years he was in business in Albertbridge Road, Belfast, but he gave it up many years ago to practise dentistry in Castlereagh Street. Since retiring he had undertaken locum duty in pharmacy.

MARTIN.—On March 19, Mr. Alexander Martin, M.P.S., 22 Upper George Street, Luton, Beds. Mr. Martin qualified in 1926.

McMANUS.—On March 20, Mr. Michael McManus, M.P.S.I., 40 Marina Park, Victoria Road, Cork, Eire. Mr. McManus qualified in 1921. For a time he conducted his own pharmacy at Dolphin's Barn, Dublin, and, on disposing of it, took up the position of manager of the compounding department of Lesters, Cork. Owing to ill health he retired a few years ago but previously had been one of the most prominent and active pharmacists in the southern capital. He is survived by his widow.

NOBLE. — On March 16, Mr. Charles Paterson Noble, F.P.S., 230 Willingdon Road, Eastbourne, Sussex. Mr. Noble qualified in 1911.

OWEN.—On March 20, Mr. John Edmund Owen, M.P.S., Green Lane, Vicars Cross, Chester. Mr. Owen qualified in 1901. He was formerly territorial general manager in charge of North and Mid-Wales, Shropshire, and parts of Cheshire and Staffordshire, for Boots, Ltd.

RIGBY.—On March 17, Mr. William Rigby, M.P.S., 215a Church Street, Westhoughton, Lancs. Mr. Rigby qualified in 1916.

TRADE NOTES

A Pack of 100.—Smith & Nephew Pharmaceuticals, Ltd., Bessemer Road, Welwyn Garden City, Herts, state that, owing to the success of the recently introduced oral form of their analgesic phenazocine, they are introducing a 100-tablet pack of Narphen.

To Special Order Only.—Since April certain Wright-Fleming vaccines marketed by Beecham Research Laboratories, Ltd., Great West Road, Brentford, Middlesex, have been available only to special order in the 10-mil vial size. Prices have been increased. The vaccines affected are acne vaccine mixed, A and B strengths; rheumatic vaccine, 50 and 500 million units; and T.A.B. vaccine for protein shock.

A Service in Distributing Proprietaries. — What is claimed "one of the few firms of independent distributors of toiletry and pharmaceutical products operating nation-wide in Britain," was established on April 1. The company is Richards & Appleby, Ltd., York House, Westminster Bridge Road, London, S.E.1. Purpose of the company is to provide a complete distribution and marketing service for manufacturers of toilet preparations and pharmaceutical products in Britain and from overseas. Present clients include the Schick Safety Razor Overseas Co. (injector razors and blades); Nailoid nail conditioner, Scan eye lotion and Allcock's porous plasters; products of Lanolin Plus (U.K.), Ltd., John Huston & Co., Toronto, Canada; and Trevena, Ltd., London.

Eye Cosmetics. — Products in the Arcancil range of Paris-made eye cosmetics distributed by Spalton & Jennings, Ltd., Columbia House, Aldwych, London, W.C.2, include mascaras in shades for women of every type, age and colouring (with even a colourless mascara that highlights the lashes without giving them too much emphasis); eye shadows in colourless, natural and many brilliant shades, both ordinary and frosted, including gold and platinum; eyeliner pencil and brush; and an eyelash growing treatment (Seve Arcancil '8', which is applied round the base of the lashes at night; and Arcancil mascara, a soft mascara for use during the day).

Easter Holiday Closings.—Most manufacturers and wholesalers in the pharmaceutical industry are closing for the Easter holiday from Thursday afternoon, April 11, until normal opening time on Tuesday, April 16. The following have notified that emergency supplies may be obtained during that period from John Bell & Croyden, 50 Wigmore Street, London, W.1:-

DISTA PRODUCTS, LTD., Broadway, London, S.W.19, and Speke, Liverpool, 24.

FBA PHARMACEUTICALS, LTD., Burrell Road, Haywards Heath, Sussex. HORLICKS, LTD., Slough, Bucks.

PROPOSED NEW STATUTORY POISONS

Changes in Poisons Rules and Poisons List

STATUTORY Instruments giving effect to recommendations made to the Secretary of State by the Poisons Board are being prepared. It is proposed to make the following changes in the Poisons List and Rules (products affected are shown in parentheses):

1. α-methylbenzylthydrazine (Actomol), metaxalone (Skelaxin) and fencamfamin, its salts (Euvitol) will be added to Part 1 of the Poisons List and to part B of the Fourth Schedule to the Poisons Rules.

2. Ecothiopate iodide (Phospholine iodide) will be added to Part 1 of the Poisons List and to the First Schedule to the Poisons Rules.

3. Mustine or any other N-substituted derivative of di-(2-chloroethyl) amine will be added to Part 1 of the Poisons List and to the First Schedule and to Part A of the Fourth Schedule to the Poisons Rules. Entries in the Poisons List and Poisons Rules where they occur for chlorambucil, cyclophosphamide, mustine and trimustine; their salts, will be deleted.

Tri - (1 - aziridinyl)-1: 4-benzoquinone (Treninon) will be added to Part 1 of the Poisons List and to the First Schedule and to Part A of the Fourth Schedule to the Poisons Rules.

Trichloroethyl phosphate (Tricloryl) will be added to Part 1 of the Poisons List.

Tolpropamine (Tylagel) will be added to the anti-histamines in Part 1 of the Poisons List and in Group II of the Third Schedule and in paragraph 1 of the Seventh Schedule to the Poisons Rules.

7. Pharmaceutical preparations in solid or liquid form containing not more than 2.5 mgm. of diphenoxylate calculated as base and not less than 0.025 mgm. of atropine calculated as atropine sulphate per dosage unit, and containing no other substance to which any part of the Dangerous Drugs Act, 1951, applies, and liquid preparations containing 0.5 mgm. diphenoxylate hydrochloride, 0.005 mgm. atropine sulphate, 0.16 mil ethyl alcohol, 0.002 mil imitation cherry flavour, 0.45 mil glycerin, 0.4 mil sorbital solution (70 per cent.), 0.01 mgm. red dye colour index No. 14700 (F.D.4C.Red No. 4), 0.0008 mil water will be exempted from the provisions of the First Schedule but will be added to Part B of the Fourth Schedule to the Poisons Rules (Lomotil).

8. Phenyl mercuric salts—used as a bacteriostat and fungicide to a concentration not exceeding 0.01 per cent. will be exempted from the provisions of the Pharmacy and Poisons Act and of the Poisons Rules.

9. Sulphuric acid when packed in a sealed container with a car battery and for use in that battery will be exempted from the provisions of the Pharmacy and Poisons Act and of the Poisons Rules.

10. Carbarsone when contained in poultry feeding stuffs to a concentration not exceeding 0.0375 per cent. will be exempted from the provisions of the Pharmacy and Poisons Act and of the Poisons Rules.

11. The Poisons Rules will be amended to allow to be sold, issued or supplied in accordance with a prescription or other order the equivalent in terms of the imperial system if the prescription or order is in the metric system, and the equivalent in the metric system if the prescription or order is in terms of the imperial system.

MAY & BAKER, LTD., and PHARMACEUTICAL SPECIALITIES (MAY & BAKER), LTD., Dagenham, Essex

MERCK SHARP & DOHME, LTD., Hoddesdon, Herts. PAINES & BYRNE, LTD., Perivale, Greenford, Mid-

PHARMAX, LTD., Western House, Gravel Hill, Bexleyheath, Kent.

The following special arrangements

should be noted:—
THE BRITISH DRUG HOUSES, LTD., Graham Street, London, N.1. Skeleton staff on duty on Saturday, April 13, to deal with urgent orders and motor deliveries.

GLAXO LABORATORIES, LTD., Greenford, Middlesex, and warehouse at Dukinfield, Skeleton staffs from 9 a.m. to mid-day, Saturday, April 13, to deal with emergency orders. Bargeddie warehouse open on Good Friday, closing from mid-day Saturday, April 13. IMPERIAL CHEMICAL INDUSTRIES, LTD., pharma-

ceuticals division, Birmingham office open for urgent orders. Good Friday morning. Glasgow office open Good Friday but closed Easter Monday. Grangemouth warehouse open for urgent orders Easter Monday.

Romford, Lee, Willesden, MACARTHY'S, LTD. Southend-on-Sea and Manchester depots open for normal deliveries, Saturday, April Ruchill, Glasgow, depot open on Good Friday and Saturday for normal deliveries (single delivery on Easter Monday of orders received by 10 a.m.).

UNICHEM, LTD., Nuneaton depôt open for business on Good Friday; normal Saturday service on April 13., closed on Easter Monday and Tuesday, Tooting, Walthamstow and Colliers Wood depots operating in full normal Saturday service on April 13,

Bonus Offers

ALBERTO-CULVER Co., 80 Charlotte Street, London, W.1. VO-5 hairdressing and conditioner. 4s, on every 1 doz. regular or blue displayed. 10s. on every 1 doz. regular plus 1 doz. blue dis-played together. Orders through wholesalers or direct.

EXCELLO LABORATORIES, 1 Cable Street, Belfast, 4, Northern Ireland. Slim-U-ettes slimming tablets. Thirtynine invoiced as thirty-six.

MANUFACTURERS' **ACTIVITIES**

Sales Conference. — On March 22, Johnson & Johnson (Gt. Britain), Ltd., Slough, Bucks, held a national sales conference in the new £7 million Hilton Hotel, Park Lane, London, W.1. It was the first sales conference by any company in the hotel and was attended by nearly 150 salesmen and executives from all parts of Great Britain. Its purpose was to launch new Band-aid washproof plasters in Britain.

Photokina Reports.—Bradley & Bliss, Ltd., King's Road, Reading, are holding a series of evening meetings at which executives who recently visited the Photokina exhibition Cologne will introduce the trends in photography and at which customers and members of their staff will have the opportunity of examining new equipment. Meetings have already been held at Guildford, Reading and Oxford; future meetings are as follows: April 9, Salisbury hotel, Brighton; April 10, Chaucer hotel, Canterbury; and April 11, Greyhound hotel, Croydon. Each programme commences at 8 p.m.

INFORMATION WANTED

The Editor would appreciate information about: Santogene

NEW PRODUCTS AND PACKS

A New Size. — Genatosan, Ltd., Loughborough, Leics, are standardising the Genatosan range of dermatological products by issuing Framycort ointment and Barquinol H.C. from April 8 in 15-gm. instead of the current 10-gm. packs.

Fucidin with Penicillin.—Leo Laboratories, Ltd., 15 Clipstone Street, London, W.1, have launched a new speciality Fucidin V.P., a combination of the company's antistaphylococcal antibiotic Fucidin with penicillin V. The addition of penicillin V broadens the spectrum of the Fucidin, making the product of value in the treatment of acute, subacute and chronic staphylococcal infections, even when they are exacerbated by the presence of other organisms (for example pneumococcus and H. influenzae in cases of chronic bronchitis). At the same time the Fucidin component is understood to prevent early breakdown of the penicillin V after administration. Each Fuci-din V.P. capsule contains 167 mgm. of Fucidin and 100 mgm. of calcium phenoxymethyl penicillin. The packs are bottles of thirty-six and 250.

Vitamins with Minerals.—Commercial Drug and Chemical Co., Ltd., 190

Stamford Hill. London, N.16, announce that McClung Vi-Tabs are now available in the United Kingdom. The tablets, which are well known in the West-.hemisphere, ern contain vitamins A and D, thiamine, riboflavine, nicotinamide, ascorbic acid, calcium pantothenate, pyridoxine and vitamin B₁₂ with calcium phosphate, ferrous sul-phate, iodine, copmagnesium, per,



manganese, zinc and dried brewers' yeast. It is understood that there has been a frequent call for the tablets in this country from West Indian immigrants. The tablets are manufactured in Canada by McClung Clemens, Ltd., Toronto, and distributed by Messrs. Commercial Drug. The container holds twenty-eight tablets (sufficient for one month's supply)

month's supply).

Starch-reduced Rye Crispbread. — The Energen Foods Co., Ltd., Ashford, Kent, have brought out what they claim is the first rye crispbread in the world to be starch-reduced. Rye, they point out, has been popular for a long time in Scandinavia and other European countries, and in the past few years a liking for rye has been growing in Great Britain. Messrs. Energen now offer both starch-reduced wheat crispbread and starch-reduced rye crispbread. The new rye variety contains only 49 per cent. of starch, dry weight, and is enriched with protein to the extent of 37 per cent. There are on average twenty-one pieces in the pack, which is designed to keep the crispbread in

prime condition. The price is the same as for the wheat crispbread.

Mint-flavoured Cod-liver Oil.—British Cod Liver Oils (Hull and Grimsby), Ltd., St. Andrews Dock, Hull, East Yorks, have developed a mixable mint-flavoured cod-liver oil that is understood to mix readily with milk or with cordials such as orange squash. The product emulsifies readily when swirled round in a glass with either of those drinks or with other aqueous liquids. The method of administration "removes any feeling of oiliness from the palate," but the oil may be taken neat by those who prefer it in that way. The screw-capped 6-oz. bottle is in carton.

Home Hair Colorant.—Gibbs-Pepsodent, Ltd., Hesketh House, Portman Square, London, W.1, have produced a new home hair colorant, "raven" black, in their Harmony range. Unlike other black colorants, which are based on red, "raven" black is based on blue, "thus creating a lustrous, blue - black tone that is wonderfully natural and flattering to every type of complexion." Like other shades in the Harmony range, "raven" black combines shampoo, colorant and conditioner. It is claimed to last five to eight weeks.

"Revolutionary" New Hairspray Product.—Pointing out the tendency for hair styles to become "custom-built," tempting women to "put more personality into their headlines," Chesebrough-Pond's, Ltd., Victoria Road, London, N.W.10, have launched a new product which they describe as revolutionary. The new product, which is named Spray 'n Stay, is both a hair set and a conditioner. It is understood to give a gentle but firm control over the behaviour of a hair-style" without being sticky or greasy. It is easily brushed or shampooed out of the hair, and holds the hair in place almost invisibly. It has a light perfume. Formulated with a water-and-alcohol base, Spray 'n Stay contains no shellac. When brushed out it leaves the hair soft and pliable. "without tell-tale flakes and without dulling the natural sheen." Spray 'n Spray 'n Stay may be used for setting, fixing a style, giving "body" to fine hair, or controlling "fly-away" hair and wispy ends. The formula contains a percentage of cholesterol. There are two presentations: an 8-oz, economy aerosol and a handbag-size squeeze pack, with refill. Each is in a lilac-coloured container. Special introductory reduced prices save the customer 2s, on the aerosol and 6d. on the squeeze pack.

"Corrective" Cream.—A new cream, Crème Jaspée, introduced by Harriet Hubbard Ayer and distributed by Molyneux et Cie (Designs and Perfumes), Ltd., 63 Grosvenor Street, London, W.1, is claimed "the first preparation to solve a problem affecting more than 50 per cent. of British women, namely a "combination" skin." The name originates from the similarity of the appearance of the cream to jasper (white mottled with turquoise) and is claimed the first cream able to rectify excessive oiliness and dryness at the same time. The turquoise factor "regulates secretion of the sebaceous glands

and normalises the greasy areas of the skin." The white part gives strength and firmness to the dry areas. Crème Jaspée is a night cream and should be used every evening after cleansing. It is "absorbed within seconds" and is understood to leave no trace of grease. The pack is a cut-glass jar.

Refinements to Shaver.—Pifco, Ltd., Pifco House, Watling Street, Manchester, 4, have produced a new Pifco Prince electric shaver with "quality refinements." Precision-built in Switzerland, it has a built-in Varishave power control permitting adjustment of cutter speed, and a "pop-up" device for trimming "side-boards," moustache and neck. The cutting blades are described as self-sharpening under a wafer-thin sieve, and the grey-and-white plastic case is supplied complete with 5 ft. of flex, a 5-amp. 2-pin plug, and a cleaning brush.

Disposable Baby Napkins.—Dalmas, Ltd., 215 Charles Street, Leicester, have launched a new product, "Small Change" disposable baby napkins comprising layered cellulose under a modified-wet-strength cover, the whole enclosed in protective gauze, with added bactericide to help prevent nappy rash. "Small Change" is packed in a polythene bag. The pack holds ten. A new baby pant of modern design is complementary to Small Change napkins, and Messrs. Dalmas also announce two new items in their sanitary napkin range: Mimosept Madame in packs of ten and five.

Improved Pack. — Leslies, Ltd., Higham Hill Road, London, E.17, are now sending out their ½ in, and 1 in, x 3½-yd. Zincoplast plasters under a plastic protective sleeve and in a new display outer. The company was established in 1823, and claims to have produced the first zinc-oxide plaster (in 1899) and to have been the first manufacturer to supply plasters cut to narrow widths on spools. The original 6-yd. and 12-yd. range has, over the years, been changed to 1-yd., 3½-yd, 5-yd, and 10-yd, Messrs. Leslie were also the first, they claim, to introduce a (patented) metal sleeve to protect spools of plaster. The new plastic sleeve not only protects the plaster but seals it from the atmosphere.

Safety Standards for Nursery Har-esses. — Experts from industry, from nesses. the Royal Society for the Prevention of Accidents, from the National Baby Welfare Council and from the British Standards Institution met in London on March 14 to approve a specification relating to nursery harnesses made from Terylene. The specification, put forward by W. H. Cheetham & Sons, Ltd., Clifton, Nottingham, will, it is claimed, reduce the number of accidents caused to babies and young children through the use of harnesses of unsatisfactory design or unsuitable materials. Basis of the new specification is the company's Clippa-Safe nursery harness. Weighing only 4 oz., it is understood to contain no material that would harm a baby who sucked or chewed it, and the harness has been awarded the certificate of the Royal Institute of Public Health and Hygiene.

Correspondence

Letters when received must bear the name and address of the sender, not necessarily for publication. The Editor does not hold himself responsible for the views expressed.

Who Should Negotiate?

SIR,—The members of the Southampton and District Branch of the Pharmaceutical Society agree with Mr. K. Jenkins (C. & D., March 23, p. 308) in lamenting that the Society is not to be represented on the Central N.H.S. Committee and that it has not, so far, established a professional fee. The most urgent and important item is that the Society, the one organisation that can speak and should act on behalf of all pharmacists, should partake directly in negotiations of fees with the Ministry. A considerable majority in this branch are also N.P.U. members, and do not consider that support for the Society on this issue implies any denigration of the N.P.U. Executive. It would, of course, be interesting to learn the attitude on this matter of those who are members of that Executive, as well as elected members of Council.

M. L. ROOD, Secretary, SOUTHAMPTON BRANCH, Pharmaceutical Society

No Excuses Now

Sir,—What possible excuses can our negotiators give us now for not immediately demanding and getting our overdue increases, and the ending of the sliding scale of payments. There can be no more delays, no more investigations, no more time wasted. The monies must be available, as a 14 per cent, rise to the medical and dental branches is much more than any re-cent industrial awards. If our leaders are not powerful to strike now, whilst the iron is hot, then now, not next month or next year, they, and I include our silent knight, should resign, and make way for a stronger team. Who make way for a stronger team. We shall are our enemies within? soon be asked to support and vote for a new Council, and though there is more involved than pay demands, most of the candidates hold more than one office, therefore their views should be made and stated clearly in their addresses to us. Last year a new Council member was elected on a powerful programme. What has happened to him. He should now be rallying us round him, or has he gone over to what I and hundreds like me think to be the enemy. If not, let him speak up. If he has, let him resign. 14 PER CENT. DOWN

Basic Needs

SIR, — So the doctors are to follow their recent fantastic rise with yet another. They have shown us clearly how to do it. Seize the Minister metaphorically by the throat—tell him you are going to have a rise or the sick suffer! The Minister is not interested in justice or need, only in political expediency. If we mean business we shall get what we want, A "time-and-motion" inquiry is just a ministerial device to delay a settlement. It is no concern of

the Ministry how long it takes us to do certain tasks. We are not labourers. Needing a dispensing fee of 2s. 9d. we should ask for 5s. We should demand a basic oncost of 25 per cent. (the first 500 at 33 per cent.). We need a new contract of service providing for future arbitration by an independent body.

C. R. THEWLIS, Middlesbrough

At Whose Expense?

SIR,—I do not begrudge the doctors another £300 a year, though they had £300 in 1961, provided the increase is not made at the expense of chemists' remuneration. It may be coincidence, of course, that we had a cut soon after the doctors' last rise. I have not heard anything lately about chemists' pay negotiations. There was an inquiry into dispensing costs, I believe, some months back. Can anyone tell me what, if anything, is being done at the moment, and how soon we can expect action? What are our leaders doing? Or have we none? For the record, only 33 per cent. oncost will take care of the dead stock that accumulates daily, and the dispensing fees should be doubled. How else can we combat increasing overheads and pay our staff a proper wage? (and I do not mean J.I.C.). S. F. Brown,

"No Sour Grapes"

SIR,—Once again we unpaid bottlewashers and voluntary oxygen-deliverers are lost in profound admiration for a profession that has such a determined leadership, is so united, and is so free from blacklegs and quislings that it can command, merely for the asking, an increase per week per head of its members equivalent, in terms of dispensing fees, to 100 scripts. Let us rejoice, too, that they have promised not to demand any more for three years. From our experience that could well mean that— with any luck—it will be two years before we pharmacists need accept another cut. I trust that our own lack of success in humbly approaching the Min-ister of Health will not prompt one of our own fighting leaders to oppose the Minister at the next election (as the teachers intend in their sphere) . any rate not while we have Sir Hugh to introduce legislation "to limit the size of worms introduced into pharmacy" (or was that it?).

H. W. WEEKS, Surbiton, Surrey

Fresh Thinking Needed

SIR, — Pharmacists, ring the bells! Show the flag! Lay out the red carpet! Kneel and grovel in admiration and humble genuflexion before Mac and Enoch, They have done it again, Hooray! Hallelujah! Rejoice! More pay for doctors and dentists, But not even an infected gumboil for the pharmacist. Who is he, anyway? Of course the

civil servants and their master, and the so-called leaders of pharmacy, know exactly who pharmacists are, and the inestimable debt society owes to them as the nation's custodians of poisons, drugs and medicaments, job-of-all-work men, sympathisers, listeners, advisers, and father confessors—the hub of the whole N.H.S. wheel. We need fresh men, fresh thinking, fresh action to get that across. Our present leaders, unions, societies, guilds, get-togethers and what have you have led us to the tip of the precipice. A completely new, real, practical public pharmaceutical image is called for.

M. J. NYMAN, London, S.W.17

Acknowledgment

SIR,—May I, through the columns of THE CHEMIST AND DRUGGIST, thank my many friends in pharmacy for their letters and messages of goodwill which I have received upon my retirement as an assistant secretary of the National Pharmaceutical Union and for their generous contributions towards the gifts that were presented to me at the luncheon which was held in my honour on March 27. I shall always have very happy recollections of the past twentyfive years which I have spent as an executive officer of the N.P.U. Although, from now onwards, I shall be on the retired list, I shall continue to take an active interest in pharmaceutical matters and hope to meet many of my friends and associates on future occasions.

R. H. KEMP, London, W.C.1

What Two Nations Spend on Drugs

Sir,-In your issue of March 30 you correctly reported the figures which I recently gave in Edinburgh to show that the United States — along with other western countries—spends more on its health than we do in Britain. Although the figures which I used had been quoted in Parliament, and were the best available estimates, they had not been calculated on an exactly comparable basis in the two countries, and I therefore made it clear that they should be treated with some reservation. From work which has subsequently been published, I have been able to obtain a much better comparison. It now appears that in 1960-61 the United States spent about £5 14s, out of each £100 of its national income on medical care, whilst we spent about £4 14s. The revised figure for England and Wales includes both N.H.S. and private expenditure, and that for the United States has been reduced by excluding some items which should not strictly be defined as health expenditure. However, even after those refinements, it is still clear that Americans spend a substantially larger proportion of their income on medical care than we do.

G. TEELING-SMITH,

G. TEELING-SMITH,
Office of Health Economics,
London, S.W.7



For Retailer, Wholesaler and Manufacturer

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Machinery for Safeguarding Consumers

TERMS of reference of the Consumer Council set up by the Board of Trade (see p. 362) are fewer than those originally recommended by the Molony Committee on consumer protection. The Council's functions are to inform itself about consumers' problems and, after consultation where necessary, to consider with other interests the action to be taken. The Council is also required to provide advice and guidance for consumers through the Citizens' Advice Bureau organisation and to publish an annual report.

To avoid misapprehensions, the Board of Trade has specifically excluded the preparation or publication of comparative test reports, or the taking up of complaints on behalf of individual consumers. It is intended that Citizens' Advice Bureaux shall extend their activities in the matter of consumer complaints. They will carry out preliminary investigations and report back to the Consumer Council, thus enabling the Council to "identify significant causes of consumer difficulty." The Consumer Council will be able to consider problems with manufacturers and/or the Government. Also outside the prerogative of the Council is action to enforce the law.

The national committee of the Citizens' Advice Bureau has indicated its willingness to expand its consumer advisory work, and the Government is providing £27,000 for that purpose. It is eighteen months since the publication of the report of the Committee on Consumer Protection, and so far the Government has only announced the appointment of Lady Elliot as chairman of the Consumer Council, and of Miss E. Ackroyd (an Under-Secretary in the Board of Trade) as the Council's first director, with responsibility for dealing with the day-to-day business of the Council.

Other members of the Council remain to be announced, but it would be reasonable to expect a speedier pace for the Council's further developments. Even so, the setting up of the whole organisation is bound to take some time, and the Board of Trade is hardly likely to rush things unduly. All concerned should therefore have time to acquire the necessary experience of each other and of the public demands.

How the new arrangements are likely to affect pharmacists is a little difficult to foresee, and it may be that the manufacturers will be subject to the initial pressures from the Council and bureaux. It must, however, be accepted that public concern has been growing about

many aspects of retail trading, and much must depend upon the attitude of the local advice bureaux. No doubt a militant bureau could have a significant effect on local trading conditions.

More Compounds to be Controlled

ADDITIONS to the list of substances controlled under the Pharmacy and Poisons Act, 1933, are foreshadowed in a recent Home Office notice (see p. 366). Some of the proposed changes will bring more substances within the group of compounds that may only be supplied to members of the public against a prescription. Three compounds (α -methylbenzylthydrazine, metaxalone, and fencamfamin and its salts) are to be included in Part B in the Fourth Schedule to the Poisons Rules, whilst tri-(1-aziridinyl)-1:4-benzoquinone cytostatic agent will be included in Part A of the Schedule. Another addition to Part B of the Fourth Schedule concerns certain preparations of diphenoxylate. A number of exemptions from the provisions of the Act and the Poisons Rules are proposed, two of which apparently arise from representations made outside the pharmaceutical industry. Sulphuric acid, when packed in a sealed container with a car battery, and for use in the battery, will be exempt. The use of phenylmercuric salts as bacteriostats and fungicides in the textile industry has resulted in the proposal that such salts, when so used, and in a concentration not exceeding 0.1 per cent., are to be exempted generally from the provisions of the Act and Rules. The dosing of poultry by means of feeding-stuffs is now a recognised technique, and carbarsone (which is used in the prevention of blackhead) is to be exempted from the Act and Rules, provided the carbarsone content does not exceed 0.037 per cent. The general adoption of the metric system by the British Pharmacopæia, the British Pharmaceutical Codex and British National Formulary necessitates an amendment to the Poisons Rules to allow pharmacists to supply poisons in terms of the imperial system when originally requested in the metric and in the metric if the original request is in the imperial system.

Individually, the proposed changes are not in themselves unduly onerous, nor do they appear to be difficult to carry out, but they add to the already great responsibilities the pharmacist has under the Pharmacy and Poisons Act, and every additional entry, whether to the Poisons List or to the Schedules, provides yet another problem that must be faced, especially in retail practice. It is hoped that the authorities will provide at an early date a consolidation of the Poisons Rules in order to assist those who have to interpret and carry them into effect.

ONE HUNDRED YEARS AGO COST OF QUALIFYING

From the C. & D., March 14, 1863

SIR,—I have recently passed the examination of the Pharmaceutical Society, and am now registered as a Pharmaceutical Chemist; all that it has cost me is ten guineas. I am 32 years of age, married, and in business. I never attended any of the Society's lectures, nor in any way availed myself of the educational arrangements there offered and provided. I have had no special opportunities of learning my business, nor do I take credit for possessing more than ordinary abilities; still, I can assure Mr. Buott and your numerous readers, that any person paying ordinary attention to the substances daily under his notice as a Chemist and Druggist, and doing a little systematic reading, may, if he wishes, successfully follow my example and become a Pharmaceutical Chemist. \triangle .

Thames Valley's Diamond Jubilee

CELEBRATIONS AT LONDON AIRPORT

THE diamond jubilee dinner of the Thames Valley Pharmacists' Association was held in the contemporary setting of the Queen's Buildings, London Airport, on March 13. The activity of the airport added to, rather than detracted from, the success of the evening, once members and their guests had overcome car-parking problems made unusually difficult by airport officialdom.

MR. H. Moss, proposing from the chair the toast "Our Guests," reminded those present that eight years previously he had served an earlier term as president of the Association. To be placed in the same position for a second time was "something of an occasion."

A Pleasant Age

Sixty years, said Mr. Moss, was quite pleasant age "when you are old a pleasant age enough to know better and young enough to do it." It was nice to see so many guests, and especially their ladies. "Thank you for coming, and for bringing charm and grace and col-our to our proceedings." He also thanked the many companies that had supported the function, some represented by senior executives, others by "those who call upon us at regular intervals during the year," whom it was nice to see "sans brief-case, sans literature and sans samples." He welcomed a contingent from the South-west London Association, headed by their president (Mr. E. Neville Brown) "and a number of other officers and their ladies, and referred to close links between Thames Valley and that Association. He also welcomed members from the neighbouring branches of Hounslow and Sutton.

Thames Valley had close ties with the Proprietary Articles Trade Association, and Mr. Moss had a special greeting for Mr. H. E. Chapman (its secretary). Mr. Maplethorpe (vice-president of the Pharmaceutical Society), who was also present, had taken a special interest in the education aspect of the Society's work. Mr. Moss said that members and guests would wish him to thank those responsible for organising the evening's functions, and he mentioned particularly John Norrie (social secretary) who had done "a great job of work in dealing with the 360 applications for tickets."

He then read from the menu card an abstract from the Association's minutes:—

"April 4, 1903—A meeting of Chemists resident in the Thames Valley District was convened by the London Chemists' Association at the Greyhound Hotel, Richmond, on the above date. Mr. Albert Cooper and Mr. W. S. GlynJones, members of the Council of the Pharmaceutical Society of Great Britain and also members of the Executive of the London Chemists' Association with Mr. R. H. Jones, Secretary, attended as representatives of the London Chemists' Association, supported also by Mr. J. W. Bowen, Fresident of the Western Chemists' Association. On the proposition of Mr. Parrott (Richmond), secon-

ded by Mr. Palmer (Twickenham), Mr. Alfred Higgs, J.P., Kingston-on-Thames, was asked to preside at the meeting."

The name W. S. Glyn-Jones, he said, was well known to all present. history of pharmacy could possibly be written without that name appearing many times. He had founded the P.A.T.A. in 1896, and was its secretary until 1921. He was a Member of Parliament, 1911-18, and in 1899 had founded the Chemists' Defence Association. He had held the position of secretary of the Pharmaceutical Society, 1918-26. Pharmacy owed much to Sir William, and so did the Thames Valley Branch. Tonight we have with us his son, who has also risen to a position of high eminence. After thirty years of a bril-liant career at the Bar he was appointed by the Queen as a High Court judge. There was a special reason why all were delighted to have him present: he was a pharmacist and had always continued to take an interest in pharmaceutical functions. Turning to Sir Hildreth, Mr. Moss said "It is indeed a pleasure to have you with us this evening as a reminder of the illustrious past, and of men such as your father, who devoted their lives to the betterment of our profession; and in your own right, as a highly respected and honoured member of two professions, one of them pharmacy.'

Early Days

Sir Hildreth, in his reply, said he could not help taking the opportunity of saying that his father was a man of whom he was intensely proud. Brought up in Aberdare, Glamorganshire, he was first for a time an assistant to a mining surveyor, but eventually became an apprentice to a South Wales chem-That period completed, he had set off to make his fortune ("which he never did") and from that time he was solely responsible for supporting himself. In London he worked parttime for 15s, a week while studying at "the cram shop in Chancery Lane." Having passed the qualifying examina-tion of the Society, he became a dispenser for a doctor in Stepney, Dr. Hildreth Kay, after whom, said Sir Hildreth, he had himself been named. Near to the doctor's consulting room was a shop belonging to the elder brother of his mother. She and his father attended a Welsh chapel and there met and married. Later his father borrowed £500 from his brother-in-law and set himself up in business in the East India Dock Road, Poplar, where Sir Hildreth was born. In that house were many items of "overflow" from the many items of "overflow" from the shop and in it his father installed a soda-water machine, hiring a man with a horse and cart to sell the soda-water to, among other places, the Holborn restaurant. A high percentage of the turnover of the pharmacy was derived from the sale of proprietary articles, and his father found that some of the proprietary articles were being sold retail at prices equal to or only a little above the best price at which he himself could buy from a wholesaler. That seemed to him to lead to disaster so, persuading his brother to help him in the business, he "set to work and founded the P.A.T.A." Neglecting his own business, he used to call upon chemists and invite them to meetings at which, if he was lucky, a collection provided a little over the hotel bill.

In the year that Sir Hildreth was born, his father started the Anti-cutting Record, somehow or other persuading the Pharmaceutical Society—"then, as the Pharmaceutical Societynow, an uncommonly august body lend him a list of members to which the publication might be sent. At that time his father was still only twenty-five, and had a debt on his business, which was barely paying its way. Certain tra-ders who wished to cut prices decided to smash the organisation. They bought a warehouse and filled it with goods that were on the P.A.T.A. list. Stocks built up, and a future launching appeared assured. It was a crucial period for the Association but, "as my father said to me when I was no more than a child, the Lord sent down a fire from heaven and burnt down their warehouse. From that day the Association has never looked back." In 1899 his father began the Chemists' Defence Association as a device to get chemists to subscribe to the P.A.T.A. "If you were a member of the P.A.T.A. you paid 5s. a year. If not, the fee was £1 15s." Those were "the days of sweet spirit of nitre," when chemists were consistently subjected to prosecution under the Food and Drugs Act. Later under the Food and Drugs Act. Later, said Sir Hildreth, his father widened his interests to politics. The business faded away, and all that remained today was a pestle and mortar which Sir Hildreth still had in his possession.

makes good brandy butter."

After the 1914-18 war, Sir Hildreth recalled that he received a gratuity of £125, which he thought would purchase a motor-bicycle. His father, however, decided it would cover the admission fees to the Middle Temple—"and he won." Although his subsequent career had been away from pharmacy, Sir Hildreth said he was proud to remember his origin as a pharmacist, and his father, who made a pharmacist of him. "If I have quitted your ranks since then, let it not be said that I have quitted admiration for our profession."

Presentations

Then came a number of presentations marking the Diamond Jubilee of the Association. First MR, HAROLD Moss asked Mr. C. W. Maplethorpe (vice-president of the Society) to accept from the Association a cheque for £63 for the Birdsgrove House fund. It represented one guinea for each of the sixty years, and he hoped that the good work being done by the Birdsgrove House would long continue. MR. MAPLE-THORPE, in accepting the cheque, said that obviously the Thames Valley Association was a superior one, otherwise the cheque would not have been written in guineas! MR. Moss then asked Mr.



John Wilford (a member of the N.P.U. Executive), who had held the post of secretary of the Association for seven years ("and he only got out of the job by emigrating to the south coast") to accept an engraved fountain pen in recognition of his past services.

recognition of his past services.

Mentioning that the Association's original minute book was still in its possession, Mr. Moss said there was also the table plan of the Association's first annual dinner, held in 1904. On that plan appeared the name Leonard Higgs. Mr. Higgs was present that evening and "he has given sixty wonderful years of service to the Association. . . . We all know his box for the Benevo-

lent Fund." It had been decided to make a presentation to "Leonard," but there appeared to be nothing he wanted. A man of simple tastes, Mr. Higgs had asked for the presentation to be made to Mrs. Higgs. Mr. Moss therefore asked them both to accept a suitcase from the Association with the good wishes of the members. Thanking the president, MR. Higgs protested that he was allowed to address the Association "only once in ten years." "In 1928 the secretary of the Association provided a badge for the president and also presented me with a replica of the badge. I now ask the Association to accept the badge, to be worn by the secre-

tary." Mr. Higgs hoped she would present it to her successor when the time came. Several times, said Mr. Higgs, the committee had considered some kind of badge for the retiring president, and he asked the chairman to accept £150 in shares, the interest to provide for such badges in the future. Mr. Moss said that the shares would go into a trust fund to buy badges for past-presidents. Mr. Higgs also presented badges to Messrs. A. C. Curd and Norman Dewey, past-chairmen.

Each lady present at the dinner took

Each lady present at the dinner took away a souvenir of the occasion, and a high proportion of all members present

took away tombola prizes.

WEST METROPOLITAN

New Drugs Survey

WHEN DR. T. D. WHITTET addressed a meeting of the Western Pharmacists' Association (of which he is vice-president) at Paddington, London, on March 6, he was certainly not "a prophet without honour in his own country." Dr. Whittet rewarded an attendance of over seventy members with a comprehensive and entertaining "Survey of New Drugs." He covered a wide field, including the latest advances in sulphonamides, antibiotics and diuretics, citing instances to show how the introduction of new drugs had reduced the mortality rate in disease. The chair was taken by Mr. J. D. SINGER, and a vote of thanks was proposed by Mr. G. A. STEPHENS.

LEICESTER AND LEICESTERSHIRE

Tribute to Pharmacists

DISPENSING chemists—"the backroom boys who play a tremendous part in the fight against disease." That tribute to pharmacists was paid by Dr. B. J. L. Moss (medical officer of health for Leicester) at the annual dinner and dance of the Leicester and Leicestershire Branch of the Pharmaceutical Society on February 21. Dr. Moss was replying to the toast "The City of Leicester" proposed by Mr. A. W. PEACOCK (Branch chairman). "The Guests" was proposed by Mr. K. L. EXLEY (vice-chairman), Mr. J. C. BLOOMFIELD (a member of the Society's Council) replying. Mr. Bloomfield stressed the need for unity in pharmacy. Over 250 members and guests attended, with representatives from all branches of pharmacy.

COLCHESTER

Two "Out-of-town" Events

AT Clacton-on-Sea on January 14 Colchester and District Branch of the Pharmaceutical Society held its first buffetdance for thirty years. Despite bad weather about eighty guests attended, and the success achieved assures a "repeat" of the event. On February 11 the Branch held another "out-of-town" meeting, this time at Braintree, where DR. J. A. CARMAN (Pfizer, Ltd.) gave an address on "Medical experiences on the high seas." Dr. Carman said he had spent many years on overseas service, making numerous sea voyages as a passenger. He recalled that many ship's

surgeons on smaller ships in past years had been either recently qualified or were soon to retire. That had led to alarming or amusing incidents. Called upon for assistance on such occasions,

BRANCH EVENTS

Dr. Carman said that perhaps his most spectacular success had been when a ship's surgeon had diagnosed as acute heart failure—for which Dr. Carman had found a bucket of cold water an effective treatment.

EAST METROPOLITAN

Signposts Along the Road

'WHICH road, and what is at the end?" asked MR. W. M. DARLING (a member of Council) when he addressed a meeting of the East Metropolitan Branch of the Pharmaceutical Society on February 20. Speaking on "Signposts Along the Road," Mr. Darling said that the pharmaceutical profession must provide a comprehensive service, for which it must get adequate remuneration. Pharmacists tended to under-rate the value of their professional capabilities and responsibilities. Too many considered themselves purely compounders of medicines; the public must be made to realise that pharmacists were vitally concerned in their safety in relation to medicines, and were experts in all drugs and poisons. The various sections of pharmacy were interdependent, and the Pharmaceutical Society was the only body able to represent all views. "We must negotiate in strength, and the Society must be given representation on the Central N.H.S. (Chemist Contractors) Committee, as is the parallel situation in Scotland." The report of the Committee on the General Practice of Pharmacy would determine the face of pharmacy for many years to come. The profession must have standards capable of fulfilment, and all must endeavour to carry them out. Only then could a correct image be projected to the public. Ideally, said Mr. Darling, there should be no advertising of retail pharmacy or "patent" medicines, but, until that Utopian ideal was reached, compromise was essential, since pharmacists were fighting for their bread and butter against unqualified outlets. He would not allow the advertising of dispensing services, or the use of restricted titles in an advertisement, which left as permissible "patent" medicines and baby, photographic and toilet goods, with only the name and address of the pharmacy. Mr. Darling indicated some changes that would have

taken place in pharmacy had Britain entered the Common Market. He explained that group pharmacies would have continued, and considered that limitation of pharmacies should be dependent upon ensuring that a satisfactory pharmaceutical service was available to the public where required. That should be the criterion for registration of new premises. The sale of all poisons should be supervised by pharmacists. They had let that monopoly slip too easily from their control. The meeting closed with a vote of thanks to Mr. Darling by Mr. B. L. BEARD.

SOUTH LONDON AND SURREY

A Badge for the Captain

THERE were two departures from the no-speeches tradition at the annual dinner and dance of the South London

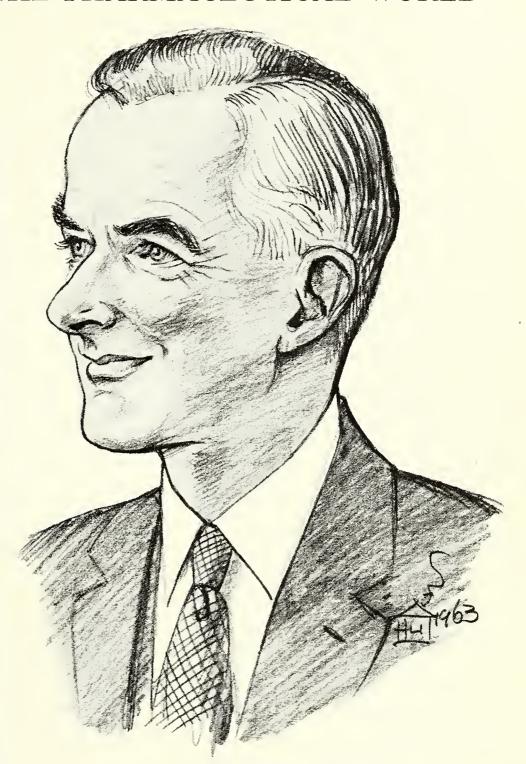


and Surrey Pharmacists' Golfing Society. The captain (MR. GEORGE PENMAN) spoke to welcome as guests the president of the London Chemists' Golfing Society (Mr. W. S. Hutcheon) and Mrs. Hutcheon, and to pay tributes to the members of the social committee (George Philp, Bob Swindells, "Hutch" and Marsden Lewis). Then MR. JOCK WHITELAW, one of the first honorary members of the Society, presented to the Society a "collaret" to be worn by each captain during his period of office. The remainder of the evening was given over to dancing, including a lesson in the Madison by the popular M.C., Mr. Ivor Spencer.

FIGURES IN THE PHARMACEUTICAL WORLD

IT has been said that the most distinctive difference between the North Countryman and the Southerner is the enthusiasm of the former, which the latter, if he feels it, never displays. By that test Mr. Clifford Orrell, who is now nearing the completion of a year of office as chairman of the National Pharmaceutical Union, is a typical pro-Pharmaceutical Union, is a typical product of his native county, Lancashire. Paradoxically it was the pronounced lack of that quality, as applied at any rate to pharmaceutical affairs, in his fellow Prestonians that brought him into pharmaceutical politics. That was in 1947. He was concerned about the lack of interest of the majority of pharmaciets in his locality, as demonstrated macists in his locality, as demonstrated by the small attendances at Branch meetings. He thought it might have something to do with the fact that the affairs of the Branch seemed to have been vested for so long a time in the same small group of officers. To remedy that situation he put forward a motion limiting the term of service of each office-bearer. The proposal gained support and was carried. One result—as not for the first time when a "rebel" gained the day—was to find himself saddled with the secretaryship. Then naturally, after holding office for three years, he retired gracefully under the rule he had been instrumental in introducing. [At a later date it was relaxed, so far as the office of secretary was concerned, as causing too many breaks in continuity.] Out of office in one sphere he was soon in harness again in another, first as a member of the Pharmaceutical Committee, and in turn on the Executive Council, serving on its ophthalmic service and finance committees. In 1956 a vacancy occurred as area representative on the Executive Committee of the National Pharmaceutical Union. Apathy had again set in to the extent that nobody seemed willing to stand. When Mr. Orrell was approached by colleagues he agreed to be nominated and then with his customary enthusiasm and thoroughness, set about making himself known to his electors. That he did by visiting almost every contractor on the Union's electoral list in the area, devoting a whole week to the purpose. Needless to say his en-thusiasm was rewarded and he was elected to the Executive. From election to chairman in the comparatively short space of seven years may be accounted rapid promotion.

Mr. Orrell's entry into pharmacy had been little better than a fifty-fifty chance, his choice at the start of his post-school career lying between banking and pharmacy. To weight the choice there were only the example of a pharmacist uncle who gave a promising picture of likely financial rewards, and, to speak truth, a personal preference that has remained with him. So he entered upon a three-year apprenticeship with the Preston Drug Co. at its Ashton-on-Ribble branch, and during those years took Part I of the Qualifying examination from Preston technical school. He went on to qualify from Manchester in 1936. After only five months in management in a Liverpool pharmacy he went into proprietorship on his own account. The pharmacy he acquired was



Mr. CLIFFORD ORRELL

at Deepdale, and he continued in ownership until 1962, when he sold it to his manager. By that time he had two other pharmacies. Thus he has had twenty-seven years as a proprietor pharmacist, broken only by service as a navigator in the Royal Air Force from 1942 to 1945, one memorable outing being a bombing raid to Berchesgaden at a time when Hitler was believed in residence.

Still on the young side of fifty, Mr. Orrell has obviously a considerable future to look forward to. What course will it take? On the one hand he has committed himself to a policy of not remaining too long in office. On the other he has declared war, so to speak, on apathy. While, therefore, his year in

the chair of the N.P.U. will give him a further period of special usefulness to the Executive, the time must come when, once more an "ordinary" member, he decides to let another take his place. What then? He has recently taken over the secretaryship of the Lancashire Pharmaceutical Committee, and will obviously find much to do on behalf of its 560 members for quite some time.

Beyond that point everything turns on the question whether the apathy in pharmacy that has exercised him so much remains to be overcome. On the authority of no less a person than the president of the Pharmaceutical Society it is a thing of the past. Time will show

GUIDE TO NEW MEDICAMENTS

Information about proprietary products supplied principally on prescription. Reprints on perforated gummed paper for affixing to index cards are obtainable from the Editor. Notes on the products are given on p. 380.

THE CHEMIST AND DRUGG ST Guide to New Medicaments, April 6, 1963

THE CHEMIST AND DRUGGIST Guide to New Medicaments, April 6, 1963

ATROMID capsules

Manufacturer: Imperial Chemical Industries, Ltd., pharmaceuticals division, Fulshaw Hall, Wilmslow, Ches.

DESCRIPTION: Capsules each containing 244.5 mgm. of ethyl chlorophenoxyisobutyrate and 5.5 mgm. of androsterone.

INDICATIONS: Treatment of lipid and thrombogenic disturbances associated with atherosclerosis and coronary artery disease.

Dosage: 20 to 30 mgm. per kilo of body weight daily. Usual dose, two or three capsules three times a day after meals.

PRECAUTIONS: Possible potentiation of anticoagulants should be kept in mind.

How Supplied: In bottles of fifty, 250 and 1,000.

SUPPLY RESTRICTIONS: P.I, S.4B. FIRST ISSUED: March 1963.

THE CHEMIST AND DRUGGIST Guide to New Medicaments. April 6, 1963

CALPOL pædiatric suspension

Manufacturer: Calmic, Ltd., Crewe, Ches.

DESCRIPTION: A finely milled suspension of paracetamol in a fruit-flavoured base. Each fl. dr. contains 84 mgm. of paracetamol. Analgesic and antipyretic.

DOSAGE: Under one year, half a teaspoonful four times a day; one to two years, one teaspoonful every four hours; two to three years, two teaspoonfuls every four hours; three to five years, three teaspoonfuls every four hours.

PRECAUTIONS: The stated dose should not be exceeded.

HOW SUPPLIED: In bottle of 4 fl. oz. FIRST ISSUED: February 1963.

THE CHEMIST AND DRUGGIST Guide to New Medicaments, April 6, 1963

HEMINEVRIN tablets

Manufacturer: Astra, A.B., Sweden. Distributor: Astra-Hewlett, Ltd., Watford, Herts.

DESCRIPTION: Off-white tablets, each containing 0.5 gm. of di-4 methyl-5 (2 chlorethyl) thiazole estnedisulphonate. Hypnotic, sedative and anticonvulsant.

INDICATIONS: Chronic alcoholism and allied conditions, delirium tremens, acute mania, and sleep disorders, particularly of the

CONTRAINDICATIONS: Concomitant barbiturate and meprobamate therapy; manic depression.

Dosage: Initially, three to four tablets should be taken three times a day, followed by a daily decreasing dosage. See manufacturer's literature.

PRECAUTIONS: Tablets are slightly hygroscopic. If suggested dosage regimen is exceeded, tolerance may occur.

How Supplied: In packs of twenty-five, 100 and 1,000 tablets. SUPPLY RESTRICTIONS: Recommended on prescription only.

FIRST ISSUED: February 1963.

THE CHEMIST AND DRUGGIST Guide to New Medicaments, April 6, 1963

PANASORB tablets

MANUFACTURER: Bayer Products Co., Winthrop House, Surbiton, Surrey.

DESCRIPTION: White uncoated bevel-edged tablets inscribed 'Panasorb' on each side. Each tablet contains 500 mgm. of paracetamol in a sorbitol containing base.

INDICATIONS: Painful and febrile conditions such as headache, toothache, colds, influenza, and muscular rheumatism in adults and children.

Dosage: Adults, two tablets every three or four hours; Children (seven to twelve years), one tablet every three or four hours; Children (three to seven years), half a tablet every three or four hours.

How Supplied: In bottles of 250 and I,000.

FIRST ISSUED: December 1962.

COSCOPIN capsules

Manufacturer: Evans Medical, Ltd., Speke, Liverpool.

DESCRIPTION: Small red capsules each containing 25 mgm. of noscapine. Anti-tussive.

Dosage: Adults and adolescents, one capsule to be swallowed whole 4 times a day or as directed by the physician.

STORAGE: Should be stored in a cool, dry place.

How Supplied: In catch-cover of twenty foil-wrapped capsules. SUPPLY RESTRICTIONS: Recommended on prescription only.

FIRST ISSUED: March 1963.

THE CHEMIST AND DRUGGIST Guide to New Medicaments, April 6, 1963

DURENATE suspension and tablets

Manufacturer: Farbenfabriken Bayer A.G., Leverkusen, Germany and Schering AG., Berlin.

DISTRIBUTORS: FBA Pharmaceuticals, Ltd., Burrell Road, Haywards Heath, Sussex; and Pharmethicals (London), Ltd., Victoria Way, Burgess Hill, Sussex.

DESCRIPTION: Suspension containing in each teaspoonful (5 mils.), 0.5 gm. of sulphamethoxydiazine; tablets each containing 0.5 gm. of sulphamethoxydiazine. Sulphonamide.

INDICATIONS: All sulphonamide-sensitive infections.

CONTRAINDICATIONS: Sulphonamide sensitivity, renal disease, Should not be administered to infants under iaundice. three months.

Dosage: Suspension, 1 gm. (two teaspoonfuls) initially, then 0.5 gm. (one teaspoonful) a day. Tablets, two initially, then one a day.

How Supplied: Suspension, in bottle of 40 mils. Tablets, in packs of eight, 100 and 500.

SUPPLY RESTRICTIONS: P.I, S.4B. FIRST ISSUED: February 1963.

THE CHEMIST AND DRUGGIST Guide to New Medicaments, April 6, 1963

ENAVID-E tablets

Manufacturer: G. D. Searle & Co., Ltd., Lane End Road, High Wycombe, Bucks.

DESCRIPTION: Pink tablets, each containing 2.5 mgm. of norethynodrel and 0.1 mgm, of mestranol. Progestational agent with æstrogenic activity.

Indications: Severe dysmenorrhæa.

Dosage: One tablet daily from the fifth day of the menstrual cycle for twenty days.

Precautions: See manufacturer's literature.

How Supplied: In packs of twenty, 100 and 250.

SUPPLY RESTRICTIONS: P.I, S.4B.

FIRST ISSUED: March 1962.

THE CHEMIST AND DRUGGIST Guide to New Medicaments, April 6, 1963

PAEDO-SED

Manufacturer: Fletcher, Fletcher & Co., Ltd., Vibrona Laboratories, London, N.7.

DESCRIPTION: Blackcurrant coloured syrup, containing in each 5 mils, 120 mgm. of dichloralphenazone and 100 mgm. of paracetamol.

INDICATIONS: Pædiatric sedative and analgesic.

Dosage: Six to twelve months, one sachet (5 mils); one to four years, two sachets (I0 mils); over four years, three or four sachets (15 to 20 mils).

Notes: Should be stored in a cool place.

How Supplied: In box containing twelve 5-mil sachets and bottle of 20 fl. oz.

SUPPLY RESTRICTIONS: P.I.

FIRST ISSUED: March 1963.

THE CHEMIST AND DRUGGIST Guide to New Medicaments, April 6, 1963

ADCORTYL-E cream, lotion and ointment

Manufacturer: E. R. Squibb & Sons, Ltd., Edwards Lane, Speke, Liverpool, 24.

DESCRIPTION: Topical corticosteroid preparations containing 0.025 per cent. triamcinolone acetonide.

Indications: Inflammatory skin disorders responding to topical corticosteroids.

METHOD OF USE: Rub well in three times a day.

How Supplied: Cream, in tubes of 5 gm. and 15 gm. and jar of 50 gm. Lotion, in squeeze bottle of 15 mils. Ointment, in tubes of 5 gm. and 15 gm. and jar of 50 gm.

SUPPLY RESTRICTIONS: Therapeutic Substances Act.

First Issued: February 1963.

THE CHEMIST AND DRUGGIST Guide to New Medicaments, April 6, 1963

ADCORTYL-EG cream, lotion and ointment

Manufacturer: E. R. Squibb & Sons, Ltd., Edwards Lane, Speke, Liverpool, 24.

Description: Topical corticosteroid preparations containing 0.025 per cent. triamcinolone acetonide, with 2.5 mgm. neomycin per gm. and 0.25 mgm. gramicidin per gm. (the combination of antibiotics known as Graneodin).

Indications: Inflammatory skin disorders responding to topical corticosteroids caused, complicated or threatened by secondary bacteria infection.

METHOD OF USE: Rub well in three times a day.

How Supplied: Cream, in tubes of 5 gm. and 15 gm. and jar of 50 gm. Lotion, in squeeze bottle of 15 mils. Ointment, in tubes of 5 gm. and 15 gm. and jar of 50 gm.

SUPPLY RESTRICTIONS: Therapeutic Substances Act.

FIRST ISSUED: February 1963.

THE CHEMIST AND DRUGGIST Guide to New Medicaments, April 6, 1963

SYNANDONE and SYNANDONE-N cream and ointment

MANUFACTURER: Imperial Chemical Industries, Ltd., pharmaceuticals division, Fulshaw Hall, Wilmslow, Ches.

DESCRIPTION: Synandone contains 0.01 per cent. of fluocinolone acetonide. Synandone-N contains 0.01 per cent. fluocinolone acetonide and 0.5 per cent neomycin sulphate. Both are presented in vanishing cream and greasy ointment bases.

INDICATIONS: Moderately severe local inflammatory, pruritic and allergic conditions of the skin and mucosa.

METHOD OF USE: A small amount should be applied lightly to the affected area two or three times a day, and massaged in gently and thoroughly.

STORAGE: Should be stored in a cool place.

How SUPPLIED: In tube of 15 gm.

SUPPLY RESTRICTIONS: Therapeutic Substances Act.

FIRST ISSUED: February 1963.

THE CHEMIST AND DRUGGIST Guide to New Medicaments, April 6, 1963

THIAVER tablets

MANUFACTURER: Riker Laboratories, Morley Street, Loughborough, Leics.

DESCRIPTION: Blue, oval, uncoated, scored tablets imprinted "Riker." Each contains 4 mgm. of Veriloid (standardised alkaloids of *Veratrum viride*), 4 mgm. of epithiazide, Antihypertensive.

INDICATIONS: All grades of hypertension.

Dosage: One tablet two or three times a day.

PRECAUTIONS: Both Veriloid and epithiazide potentiate the action of other hypotensive agents. Patients with a tendency to hypokalæmia should have regular electrolyte determinations. If diabetes mellitus or gout is suspected blood glucose or blood uric acid determinations should be made.

SIDE EFFECTS: Mild gastro-intestinal disturbance. How Supplied: In bottles of 100 and 500 tablets.

Supply Restrictions: P.I, S.4_R.
First Issued: February 1963.

THE CHEMIST AND DRUGGIST Guide to New Medicaments. April 6, 1963

ENDURONYL and ENDURONYL FORTE tablets

Manufacturer: Abbott Laboratories, Ltd., Queenborough, Kent.

DESCRIPTION: Square, grooved and monogrammed tablets. Colour: (Enduronyl) yellow; (Enduronyl Forte) grey. Each Enduronyl tablet contains 5 mgm. of methyclothiazide and 0.25 mgm. of deserpidine. Each Enduronyl Forte tablet contains 5 mgm. of methyclothiazide and 0.5 mgm. of deserpidine. Antihypertensive.

INDICATIONS: Treatment of mild to moderate hypertension; in severe hypertension as adjunct to ganglionic or adrenergic blocking agents.

Dosage: *Initially*, one Enduronyl tablet daily, adjusted according to response. *Maintenance level*, half Enduronyl tablet to two Enduronyl Forte tablets daily.

PRECAUTIONS: Side effects and precautions as for thiazides and Rauwolfia alkaloids. Halve dosage of ganglionic or adrenergic blocking agents.

How Supplied: In bottle of 100. Supply Restrictions: P.I, S.4B. First Issued: February 1963.

THE CHEMIST AND DRUGGIST Guide to New Medicaments, April 6, 1963

LEDERCORT DIACETATE FORTE

Manufacturer: Lederle Laboratories, division of Cyanamid of Great Britain, Ltd., Bush House, Aldwych, London, W.C.2.

DESCRIPTION: Aqueous suspension of triamcinolone diacetate. Each mil contains 40 mgm.

INDICATIONS: Intramuscularly in the treatment of asthma, allergy, rheumatoid arthritis, leukæmia, etc. Intra-articularly, or intrasynovially, in the treatment of rheumatoid arthritis, bursitis, epicondylitis and related conditions.

Contraindications: Not to be used intravenously.

METHOD OF USE: See manufacturer's literature.

PRECAUTIONS: Should not be diluted with solutions containing methyl paraben, propyl paraben, phenol, etc., which may cause flocculation of the steroid.

SIDE EFFECTS: Usual steroid side-effects may occur.

How Supplied: In vial of 1 mil.

SUPPLY RESTRICTIONS: Therapeutic Substances Act.

FIRST ISSUED: March 1963.

THE CHEMIST AND DRUGGIST Guide to New Medicaments, April 6, 1963

ZACTIPAR tablets

Manufacturer: John Wyeth & Brother, Ltd., Huntercombe Lane South, Taplow, Maidenhead, Berks.

DESCRIPTION: Yellow, bi-convex tablets embossed with Wyeth shield on one side. Each contains 75 mgm. of ethoheptazine citrate and 400 mgm. of paracetamol. Analgesic.

INDICATIONS: For the relief of acute and chronic painful conditions, even in elderly dyspeptic and anæmic patients, and in those who show intolerance to aspirin and codeine.

CONTRAINDICATIONS: Should be used with caution during early pregnancy and for patients with renal dysfunction or a blood dyscrasia history.

Dosage: Initially, two tablets, then one or two tablets three or four times a day. The tablets should be swallowed whole, preferably with a hot drink.

SIDE EFFECTS: Occasional transient nausea, epigastric distress or dizziness.

How Supplied: In bottle of 100. Supply Restrictions: P.I, S.4b. First Issued: March 1963.

ADDITION

LEDERCORT OINTMENT PROCTOLOGICAL: A pack of 15 gm. of Ledercort ointment with a cannula to facilitate rectal administration. First issued, March 1963.

TRADE REPORT

The prices given are those obtained by importers or manufacturers for bulk quantities or original packages. Various charges have to be added whereby values are in many instances augmented before wholesale dealers receive the goods into stock. Crude drugs and essential oils vary greatly in quality and higher prices are charged for selected qualities.

LONDON, APRIL 3: All markets were quiet during the week, waiting for the Budget statement. Prices of most CRUDE DRUGS held steady on recent levels.

Among the few exceptions were Brazilian MENTHOL, which was marked down a further sixpence per lb. in all positions; Chinese and Formosan varieties, however, were not altered. CINNAMON QUILLS were dearer for shipment. CALABAR BEANS are obtainable and the shortage may soon affect the price of physostigmine.

IPECACUANHA supplies showed little variation on previous weeks. CHERRY

BARK was down one penny per lb.
In Essential Oils, spot holders of
Anise cut their offers by one shilling per lb., though the forward rates were unchanged. Ceylon CITRONELLA eased slightly, but Formosan oil maintained its firmer tone. LEMONGRASS was down by sixpence per lb. on the spot, following a similar reduction for ship-LEMON continued in tight supply, and the higher price trend continued. Faced with a shortage of domestic oil, the United States buyers are reported to have bought heavily in Sicilian oil.

ACETONE was reduced to £66 per ton for supplies delivered in 45-gall. drums, or to £57 per ton for 10-ton lots in bulk. Over the past fourteen months acetone prices have dropped Among VITAMINS, by 20 per cent. RIBOFLAVINE has been reduced 12s. 6d. per kilo and Tocopherol Acetate, 20s. per kilo.

Pharmaceutical Chemicals

Aloin. — Micro-crystalline, 14-lb. lots, 34s. per lb.

Aneurine hydrochloride. — One-kilo, 117s. 6d.; 10-kilos, 114s. 6d.

Arecoline.—Alkaloid, 51s. per oz. ASCORBIC ACID.—One-kilo, 40s. 6d.; 10-kilos, 37s. per kilo; 25-kilos, 35s. 6d.

CALCIFEROL. — B.P. from 2s. $10\frac{1}{2}$ d. to 3s. 3d. per gm. for 1-kilo lots.

CALCIUM CARBONATE.—B.P. light precipitated powder, 1-ton lots, £35 per ton in free bags, ex works.

CALCIUM CHLORIDE.—B.P.C. fused, 11½d. per lb. in 1-cwt. lots.

CALCIUM GLUCONATE. — 10s. 6d. to 12s. per lb., as to quantity. SUCCINIC ACID is from 10s. 6d. to 12s. 3d. per lb.

LONDON EXCHANGE RATES

At the opening on Tuesday Amsterdam... Florins to £ 10.081-10.081 Bombay ... Shillings to $\begin{array}{c} 1/5\frac{15}{16} - 1/6\frac{1}{18} \\ 139 \cdot 50 - 139 \cdot 55 \\ 19 \cdot 31\frac{5}{8} - 19 \cdot 31\frac{7}{8} \\ 11 \cdot 18\frac{7}{8} - 11 \cdot 18\frac{5}{8} \end{array}$ rupee ... Francs to £ Brussels Brussels ... Francs to £
Copenhagen , Kronor to £
Frankfurt ... D Marks to £
Hong Kong , Shillings to \$
Karachi Shillings to $1/2\frac{37}{32}-1/3\frac{31}{32}$ $\begin{array}{c} 1/5\frac{15}{16}-1/6\frac{1}{16} \\ 80\cdot15-80\cdot25 \\ 2/3\frac{7}{4}-2/4 \\ 1,738\frac{1}{4}-1,739\frac{1}{4} \\ 3\cdot01\frac{7}{8}-3\cdot02 \\ 2\cdot78-2\cdot82 \\ 2\cdot98-22\cdot9001-20\cdot003 \end{array}$ rupee Lisbon Escudos to £ Malaya Shillings to £
Malaya Shillings to £
Milan Lira to £
Montreal Dollars to £
*New York Dollars to £
Oslo Kronor to £
Paris Francs to £
Stockholm Kronor to £ $20.00 \stackrel{1}{\cancel{2}} - 20.00 \stackrel{3}{\cancel{4}} \\ 13.71 \stackrel{7}{\cancel{8}} - 13.72 \stackrel{1}{\cancel{8}}$

Stockholm ... Kronor to £ Zurich Francs to £ *Bank of England official limits, Bank rate: 4 per cent, from January 3.

12-125-12-127

CALCIUM PANTOTHENATE. — £5 10s. per kilo.

CALCIUM PHOSPHATE,—B.P.C. is 1s, 5d. per 1b, for 1-cwt. lots and 1s, 4d, for

Chlorophyll. — Water-soluble, 100 per cent. (medicinal grade), 280s. per lb.; oil soluble, 25s. per lb.

Cyanocobalamin. — Less than 25-gm. lots, 110s. per gm.; 100-gm., 105s. per gm.

FOLIC ACID. — B.P. and U.S.P., 1-kilo lots about £23 per kilo.

FORMALDEHYDE.—B.P. solutions, 5 drum lots, 710s. per ton in free drums, delivered.

GLYCEROPHOSPHATES.—Per lb. in 1 cwt. OLYCEROPHOSPHATES.—Per lb. in 1 cwt. lots, 110s. per gm.; 100-gm., 105s. per gm. CALCIUM, soluble, B.P.C., 12s.; IRON, B.P.C., scale, 15s. 9d. and powder, 14s. 9d.; MAGNESIUM, soluble, B.P.C., 14s. 3d.; MANGANESE, B.P.C., 27s.; POTASSIUM, 50 per cent., B.P.C., 3s. 9d. and 75 per cent., 2s. 7d.; 75 per cent., 4s. 6d.; 100 per cent. 8s cent., 8s.

HEXAMINE.—B.P., 1s. 6d. per lb. for 1-ton lots, delivered in 1-cwt. bags. Technical is 1s. 5d. per lb.

Hydrogen peroxide. — 27.5 per cent. by weight), £115 per ton; 35 per cent. £138 in returnable carboys.

IODIDES. — (Per kilo). Potassium, 50-kilo lots, 19s. 3d.; sodium, 24s. 3d. for 25-kilo lots, ammonium, 44s.

IODINE.—Resublimed in less than 50-kilo lots, 25s. 4d. per kilo. Minimum delivered rate for CRUDE is 17s. 4d. per kilo.

IODOFORM.—Powder (per kilo), 51s. 6d. in 50-kilo lots; less than 50-kilos, 53s. Crystals are 3s. per lb. more.

LEAD ACETATE.—B.P. crystals, 225s. per cwt.

MENAPHTHONE. — (One-kilo lots). B.P. 140s. per kilo; ACETOMENAPHTHONE, B.P., 140s.; WATER-SOLUBLE (mcnadione sodium bisulphite, U.S.P.), 125s.

NICOTINAMIDE. — (Per kilo). One-kilo, 38s.; 10 kilos, 36s.; 50 kilos, 34s. 6d.

NICOTINIC ACID. — One-kilo, 28s.; 50kilos, 24s. per kilo.

NIKETHAMIDE.—Per kilo, 100s.

PARAFFINS.—Prices to wholesale distributors per gall.—Liquid: Heavy, B.P., in drums, 8s. 8½d. to 8s. 9½d. as to quantity; over 500 gall. in bulk, 8s. 7½d. Light, B.P., drums, 7s. 1½d. to 7s. 2½d.; bulk, 7s. 0½d. Technical white: Light, 6s. 6d. to 6s. 7d. and 6s. 3d. in bulk; MEDIUM, 7s. 7d. to 7s. 8d., bulk, 7s. 4½d. Drums charged and returnable. Soft: Best grades WHITE, medium consistency, £116 15s. per ton and soft consistency, £113 17s. 6d. ton and soft consistency, £113 17s. 6d. Yellow, £94 10s. Other grades (all B.P.) at £95, £100 10s., £106 per ton for white and at £74 17s. 6d. for yellow. All in non-returnable drums delivered.

Paraformaldehyde.—B.P.C. is 1s. 3d. per lb. for 1-ton lots; 1s. 5d. per lb. for 1-cwt.

One-kilo, £27 10s. per Pyridoxine. kilo; 10 kilos, £27 5s.

RIBOFLAVINE.—One kilo, £10 10s.

SAL PRUNELLA.—Balls, 3s. 10d. per lb. in 1-cwt. lots.

SODIUM PANTOTHENATE.—Per kilo, 130s. Tartaric acid. — (In kegs): 1-ton lots, 275s. per cwt.; 5-19 cwt., 281s.; 1-4 cwt., 284s. Bags 8s. cwt. less. Crystals 7s. per cwt. more than powder and granular. THIOGLYCOLLIC ACID. — Basic rates per lb., 97–98 per cent., 26-lb. packs, 15s.; 75 per cent., 11s. 6d. Ammonium thiogly-collate, 40 per cent. ph 9·3 (24-lb. pack), 6s. 8d.; Monoethanolamine thioglycollate, ph 9·9, 4 per cent., 9s. 10d. All carriage paid and subject to purchase tax.

VITAMIN A. — Synthetic. Supplied in concentrate 1 million international units per gm. as acetate or palmitate the price is £25 per kilo for one-kilo lots.

VITAMIN D.—D₂ powder for tableting \$50,000 i.u. per gm., 125s. per kilo; in oil, 1 million i.u. per gm., 67s. 6d. per kilo for 100,000 m.i.u. Crystallinc: see under calciferol. D₃ in oil (1 mega per gm.), threepence per mega for less than 1,000 megas. Crystalline, 12s. per gm. in 100-cm. amoule 100-gm. ampoule.

VITAMIN E (synthetic or natural).-PHEROL ACETATE, B.P., 25 gm. to 100 gm., ninepence per gm., 100 gm. to 1 kilo, sixpence per gm., 1 kilo and under 10 kilos, £22 per kilo; 10 kilos, £21 15s. per kilo.

Alcohol

British spirit (fermentation grades) per proof gall.:

ABSOLUTE ALCOHOL, 95.5 per cent., 74.5 o.p., from 3s. 11d. to 4s. 1d. for same quantities: the special high strength (99.9 per cent., 75.2 o.p.), from 4s. 3d. to 4s. 8d. (in drums) for 1,000-40 galls. (bulk). DOUBLY RECTIFIED ALCOHOL (S.V.R.) 95.8 per cent. 68 o.p. from 2s. 0d. to 3. 11d. per cent., 68 o.p., from 3s. 9d. to 3s. 11d. R. R. Absolute alcohol (re-rectified), 99.7 per cent., 75 o.p., 8s. per proof gall. net (for 40-gall. drums). Duty is £11 13s. 7d. per proof gall.

ETHYL ALCOHOL: (95 per cent. Gay LUSSAC, 66 o.p.): where the minimum delivery is 2,500 bulk gall. or over, 3s. 7d.; 1,500, 3s. 8d.; 500, 3s. 9d. Prices are exclusive of duty and are for tank wagon

SYNTHETIC GRADES (supplied only to buyers authorised by Customs and Excise to buy duty free) the 95 per cent. are from 2s. 10d. to 3s. 0d. and Absolute (99.5 per cent.), 3s. 1d. to 3s. 3d. bulk deliveries. deliveries.

Methylated Spirit

Methylators' rates per bulk gall. in Great Britain are as follows:

INDUSTRIAL METHYLATED SPIRIT: Strength 61 o.p., 500 gall. and over, 5s. 1d.; 100 gall. and under 500 gall., 5s. 6d.; 40 gall. and under 100 gall., 5s. 11½d.; 10 gall. and under 40 gall., 6s. 5½d.; 5 gall. and under 10 gall., 6s. 11½d. Strength 64 o.p., halfpenny per gall.; 66 o.p. (B.P.), one penny; 68 o.p., 3½d. more than the above rates with 74 o.p. at 5s. 10½d.; 6s. 3½d.; 6s. 9d.; 7s. 3d. and 7s. 9d. for similar quantities. Tank wagon delivery is 2d. per gall. off list price — minimum 500 gall. For industrial methylated spirit of perfumery quality prices are from 6s. 6d. (tank wagon) for 500 gall. to 8s. 0½d. (10 gall. drums) for 64 o.p.

MINERALISED METHYLATED SPIRIT: INDUSTRIAL METHYLATED SPIRIT: Strength

MINERALISED METHYLATED MINERALISED METHYLATED SPIRIT: Strength 64 o.p., in one delivery. 500 gall. upwards, 5s. 5\frac{1}{2}d. in drums; 100 gall. and under 500 gall., 5s. 10\frac{1}{2}d.; 40 gall. and under 100 gall., 6s. 4d.; 10 gall. and under 40 gall., 6s. 10d.; 5 gall. and under 10 gall., 7s. 4d.

PYRIDINISED INDUSTRIAL METHYLATED SPIRIT: Strength 66 o.p., 500 gall. and over, tank wagon delivery, 5s. 3½d.; 500 gall. in 40-gall. drums, 5s. 5½d.; 100 gall. and under 500 gall. (in drums), 5s. 10½d.; 40 gall. and under 100 gall., 6s. 4d.; 10 gall. and under 40 gall., 6s. 10d.; 5 gall. and under 10 gall., 7s. 4d.



r baby is different to all ECAUS other (as if you didn't know!) e to develop a routine you w that suits v At first, this mainly timing and quantity revolves are of the feed: schedules are much less rigid th ed to be. Establish laxed time for you yours as a h to enjoy tog worry if you can't k instead. More lk than on any

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Now owappearing in the national press women's and family

magazines...

added reasons for keeping up those **OSTERMILK** and

FAREX displays

Packs and Trade Prices

1 doz. 1-lb. tins 43/-2 doz. or 3 doz. 1-lb. tins £2. 0. 3 per doz. 4 doz. × 1-lb. tins or more £1. 18. 6 per doz. (Glaxo 'top-profit' parcels)

FAREX

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1 doz. 10 oz. cartons 14/5 10 oz. cartons 27/calcium, (a Glaxo 'top-profit' parcel)

carefully forake a properly halanced w ut remember, for many mon Ostermilk is still the most i art of your baby's diet. Look l bies love their bottle -they kno good for them! Your baby will more contentedly if you don't e pace of growing up. Farex. Farex has a Happily onsistency that all babies smooth cr

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your baby has learnt to look forward to Farex you'll have no problems about introducing other foods and flavoursjust mix them with Farex! Yolk of egg, fruit and vegetable purees all blend well with Farex. Later, when you serve them separately, give a full helping of Farex at least once a day and you can be sure you're keeping the diet balanced.

Glaxo safeguard the future. Glaxo make many of the vaccines that give your

baby immunity against once-feared diseases. Take advantage of Britain's fine medical services and protect your child. Glaxo also make other lifes avers and carry on constant research to find new and better means to health. Doctors, nurses, clinics and chemists everywhere know and trust Glaxo Laboratories. All you need to know is that you can trust Glaxo to take good care of you and your baby.

Facts and Figures. Ostermilk is 4/- for 16 oz—enough, for example, for 28 feeds of 6 fl. oz. Farex is 1/6 for 10 oz; both foods are available from your chemist. Also ask your chemist for the 156-page 'Glaxo Mother and Baby Book' which costs only 9d and includes a delightful personal account of life with a new baby in the home, together with lots of illustrations and helpful advice.

OSTERMILK & FARE



Crude Drugs

AGAR.—Kobé No. 1, 12s. 3d. per lb. in bond; shipment, 11s. 9d., c.i.f.

ALOES.—Spot primes, 195s. per cwt., shipment, 190s. to 195s., c.i.f., as to position. Curação, spot, 350s.; shipment, 340s., c.i.f.

ANISE. — Chinese STAR, 185s. per cwt., spot, duty paid; shipment, 152s. 6d., c.i.f.

BALSAMS. — Per lb.: CANADA: Spot, 18s. to 25s. COPAIBA: B.P.C. grade, 9s. 6d., duty paid. PERU: Spot, 8s. 6d. duty paid. Tolu: B.P., from 10s. 6d. to 17s. 6d.

BELLADONNA. — HERB, 0.5 per cent. 2s. 3d. per lb., duty paid. Root, testing over 0.5 per cent., 1s. 9d. per lb.

BENZOIN.—Sumatra block, spot £18 10s. to £35 per cwt. as to quality.

CALAMUS.—Root, 100s. per cwt., spot, 87s. 6d., c.i.f.

CAMPHOR. — B.P. powder nominally 4s. 9d. per lb. in bond. No c.i.f. offers.

CASCARA.—Spot, 210s. per cwt.; shipment, 195s., c.i.f.

Cassia. — Fistula, 105s. per cwt.; lignea (whole), for prompt shipment, 250s., c.i.f.; spot, 375s., duty paid; broken 225s., c.i.f.

CHAMOMILE.—Roman-type, old crop, 7s. per lb. spot; 1962 crop offers about 14s. per lb., c.i.f. Matricaria, 7s. 6d. on the spot.

CHERRY BARK. — Thin natural, 1s. 8d. per lb.

CHILLIES.—Zanzibar, 170s. spot; shipment, 170s. per cwt. Mombasa spot 220s., shipment, 160s., c.i.f.

CINNAMON QUILLS.—Shipment (c.i.f., per lb.) 4 O's, 6s. $8\frac{1}{4}$ d.; single O, 6s. $0\frac{1}{4}$ d.; seconds, 5s. $6\frac{1}{4}$ d.; quillings, 4s. 8d.

COCHINEAL.—Canary Isles black-brilliant nominal; silver-grey nominally 16s. per lb., c.i.f. Peruvian, silver-grey afloat, 11s. 9d., duty paid; forward nominal.

COCILLANA.—Bark, 2s. per lb. on the spot.

DIGITALIS.—Purpurea leaves, 2s. 8d. to 3s. per 1b., c.i.f., as to potency.

Ergot. — Portuguese, 9s. 3d. per lb., spot; 9s., c.i.f.

GINGER. — (Per cwt.). African shipment, 310s., c.i.f. Jamaican No. 3 spot, 630s. April-May shipment, 575s., c.i.f. Cochin, spot, 205s.

GUM ACACIA. — Kordofan-cleaned sorts, 152s. 6d. per cwt., spot; shipment, 138s., c.i.f.

lpecacuanha.—(Per lb.). Colombian for shipment, 67s. 6d., c.i.f.; afloat, 69s., c.i.f.; Matto Grosso, 66s. 6d., c.i.f. Costa Rican, 85s., c.i.f., and 87s. 6d., spot, scarce.

KARAYA. — No. 1 gum, spot 365s. per cwt.; No. 2, 280s. per cwt.

KOLA NUTS. — African 5½d. spot and 4½d., c.i.f. (per lb.).

LANOLIN. — ANHYDROUS B.P. is from 170s. to 190s. per cwt. in 1-ton lots delivered, free drums.

LEMON PEEL.—Spot, 2s. 3d. per lb.

Mace. — Whole, pale blade, 15s. per

MENTHOL.—Chinese: spot, 44s. per lb. duty paid: April-May shipment, 38s., c.i.f. Brazilian 19s. 6d. to 20s. in bond; shipment, 18s. to 19s. 6d., c.i.f. Formosan, 28s. 6d. in bond; shipment, 27s. 6d., c.i.f.

Mercury.—Spot ex warehouse £60 per flask of 76 lb.

NUTMEGS. — West Indian 80's, 6s. 6d. per lb. spot; sound unassorted, 4s. 3d.; defectives, 3s. $4\frac{1}{2}$ d.

Nux vomica.—Cochin, 75s. per cwt. on the spot.

ORANGE PEEL. — Spot: Sweet ribbon, 1s. 10d. per Ib.; bitter quarters: West Indian, 10½d.; Spanish, 1s. 4d.; bitter ribbon, 1s. 3d.

PAPAIN.—No. 1 from 35s. to 45s. per lb., spot as to quantity. For shipment: East African, 32s., c.i.f.

PEPPER.—White Sarawak spot, 3s. 3d. per lb.; shipment, 3s. 1d., c.i.f. Black Sarawak spot, 2s. 5½d.; shipment, 2s. 3½d., c.i.f. Black Malabar, 320s. per cwt. spot; shipment, 265s., c.i.f.

PIMENTO.—Spot 616s. per cwt.; shipment, 580s., f.o.b.

Podophyllum.—Spot, per cwt.: *Emodi*, 250s.; *Peltatum*, 365s.

Pyrethrum. — Extracts—partially dewaxed, 25 per cent. pyrethrins, 74s. 6d. to 65s. 6d. per lb.; decolorised dewaxed, 20 per cent., 66s. 6d. to 59s. 4d. per lb.

Quassia.—Spot, 57s. 6d. per cwt.

QUILLAIA. — Spot, 180s. per cwt.; shipment, 137s. 6d., c.i.f.

RHUBARB. — Supplies of good pinky rounds cleared on the spot; shipment offers scarce.

SAFFRON. — Mancha superior, 180s. per lb. spot.

SARSAPARILLA. — Jamaican native red spot, 2s. 8d. per 1b.; shipment, 2s. 4d., c.i.f.

SEEDS.—(Per cwt.). ANISE.—Spanish, 275s., duty paid. CARAWAY.—Dutch, 155s., duty paid. CELERY.—Indian spot, 240s.; shipment, current crop, 200s.; new crop for June-July, 160s., c.i.f. CORIANDER.— Moroccan on spot offered at 57s. 6d., duty paid; shipment a little firmer at 49s., c.i.f. CUMIN. — Iranian, 172s. 6d., duty paid; shipment, 137s. 6d., c.i.f. DILL.— Indian, 80s. spot; shipment 60s., c.i.f. FENNEL.—Indian unchanged at 125s., spot; shipment current crop, 122s. 6d., c.i.f.; new crop, 127s. 6d., c.i.f. FENUGREEK.— Moroccan, 56s., duty paid; shipment, 43s. 6d., c.i.f. MUSTARD.—English, 50s. to 70s., according to quality.

SENEGA.—Spot, 14s. 6d. per lb.; shipment, 14s., c.i.f.

ment, 14s., c.i.t.

SENNA. — (Per lb.). Tinnevelly LEAVES, spot: Prime No. 1, 2s. 3d.; prime No. 2, 1s. 9d.; No. 3, f.a.q., 1s. 4d. Pods: handpicked spot scarce at from 3s. 3d. to 3s. 6d., as to quality: manufacturing spot, 2s. 4d. Alexandria pods: Manufacturing, spot cleared: forward, 2s. 6d. to 2s. 9d. per lb. ex wharf; hand-picked small lots from 4s. 9d. to 8s. 6d. as to quality.

SQUILL.—White 80s. per cwt. on the spot.

STRAMONIUM.—Continental LEAVES 85s. per cwt. spot.

STYRAX.—Spot, 22s. per 1b.; shipment, 21s., c.i.f.

Tonquin Beans.—Para spot, 5s. 6d. per lb.; shipment, 4s. $10\frac{1}{2}$ d., c.i.f.; Trinidad, 7s. 6d., spot.

Tragacanth. — No. 1 ribbon, £132 10s. to £135 per cwt. No. 2, £125 to £127 10s. c.i.f.

TURMERIC. — Madras finger spot, 185s. per cwt. quoted; shipment, new crop April—May, 127s. 6d., c.i.f.

VALERIAN ROOT. — Spot: East European, 175s. per cwt.; Indian, 180s. Shipment: Continental, 172s. 6d. to 205s. 6d. c.i.f.

Vanillin.—Rates (per lb.) are now:—5-cwt. lots, 21s. 6d.; 1-cwt., 21s. 9d.; 56-lb., 22s.; small quantities, 22s. 6d.

Waxes. — (Per cwt.): Bees'.—Dar-es-Salaam, spot 485s. nominal; shipment, 467s. 6d., c.i.f. Abyssinian spot 410s., in bond; for April shipment, 390s., c.i.f. Sudanese, spot, 450s.; shipment, April, 390s., c.i.f. Candelllla, spot, 465s.; forward, 460s. landed. Carnauba, fatty grey, spot, 320s., shipment, 290s., c.i.f.; prime yellow, spot, 625s.; shipment, 615s., c.i.f.

Essential and Expressed Oils

Anise. — Chinese, 19s. per lb., spot; shipment, 18s. 6d., c.i.f.

Arachis. — Spot, 2-5 ton lots naked ex-mill, £119 per ton.

BERGAMOT.—Spot, about 84s. per 1b.

Bois de Rose. — Brazilian, 21s. per 1b. on the spot; shipment, 20s., c.i.f.

CAJUPUT.—Spot from 10s. per lb.

CARAWAY.—Imported oil, 34s. per 1b.

CARDAMOM.—English-distilled unquoted; imported, 260s. per lb.

Castor.—Home produced B.P. oil, spot, £136 per ton naked ex mill (2-ton lots).

Celery seed. — Quotations are from 110s. per lb.

CITRONELLA. — Ceylon, spot, 9s. 3d.; shipment, 8s. 8d. per lb., c.i.f. Formosan nominally 15s. 3d. in bond; April shipment, 14s. 9d., c.i.f.; Chinese, spot cleared; May–June shipment, 14s. 6d., c.i.f.

COD-LIVER. — B.P. is 11s. 6d. per gall. including charged returnable drums. Veterinary is from 9s. 6d. per gall. Delivered terms, 25-stone lots.

DILL.—Imported, 33s. per lb., spot, 28-lb. tins.

EUCALYPTUS.—B.P., 6s. 6d. and 6s. 9d. per lb. on spot for 70–75 and 80–85 respectively.

FENNEL.—Spanish sweet, spot, 10s. per lb.

GINGER. — Imported: Jamaican, 130s. per lb.; Chinese, 72s. 6d., duty paid. English 135s.

GRAPEFRUIT.—Florida, 19s. to 21s. per lb. spot.

LEMON.—Spot from 36s. to 45s. per lb., as to quality. Sicilian for shipment, about 52s. per lb., c.i.f.

Lemongrass. — Spot, 11s. 3d. per lb.; shipment, 11s. $1\frac{1}{2}$ d., c.i.f.

ORANGE.—Floridan sweet oil 7s. per lb. nominal; shipment, 6s., c.i.f. South African and Rhodesian, 7s. 6d.; Israeli, 5s.; West Indian, 10s.; Spanish, 15s. to 17s. 6d., spot.

PALMAROSA. — Shipment, 62s. per lb., c.i.f.

Pennyroyal. — Spot, 14s. 6d. per 1b., duty paid.

PEPPERMINT. — Arvensis: Chinese spot, 16s. 3d.; shipment, 15s., c.i.f. Brazilian spot, 6s.; shipment, 5s. 9d., c.i.f. Piperita: Italian, 48s. to 70s., spot. American from 35s. to 38s. 6d. per lb. as to make.

ROSEMARY.—Spanish genuine is 9s. 3d. per lb. spot.

SAGE.—Spanish, 7s. 6d. per lb.: Dalmatian, 18s. 6d.

Sandalwood.—Spot Mysore, 107s. 6d. per lb.; forward, East Indian 103s., c.i.f.

TANGERINE.—Sicilian about 70s. per lb. spot. Floridan for shipment, 24s. to 25s., c.i.f.

UNITED STATES REPORT

NEW YORK, APRIL 2: A further easing in Brazilian MENTHOL carried quotations down another 20 cents to \$3 a lb. Sarsaparilla rose six cents to 38 cents a lb. Ergot at \$1.60 was down five cents per lb., and Cape Aloes at 32 cents, down two cents. U.S.P. grade Lemon oil moved up by 25 cents to \$5.75 a lb., and West Indies Orange advanced by 50 cents to \$5.75. Also higher was distilled Lime at \$6.50, up 15 cents a lb. Peppermint oil declined to make the natural \$4.70, down 10 cents a lb., and the re-distilled \$5, down 20 cents. Cheaper too was Cananga with the native now \$3.85, down 15 cents per lb.

WORLD TRADE

Soda-producing Plant for Pakistan.— A West German firm (Zahn & Co., Hameln, has been awarded a DM25millions contract to build a soda-producing plant in Pakistan. The plant will have a daily output capacity of 120

French Medicine Prices Reduced.— Prices of all "patent" medicines sold in France are being cut by 3 per cent. on April 1. The cut, which follows agreement reached between pharmaceutical trade organisations and the Ministry of Finance, is the first step in a full-scale price revision of "patent" medicines now being studied by the Ministry of Finance.

Research Centre in India.—The Servening Research Centre of the CIBA organisation was inaugurated by the Prime Minister (Mr. Nehru) recently. The centre was built and equipped at a cost of 25 million rupees, and is said to be the first institution to be established by private enterprise for fundamental chemical and biological research in South Asia. In collaboration with Atul Products, Ltd., the centre will also work on synthesis development and the application of dyestuffs.

Italian Sulphur Industry.—The Italian sulphur industry must cut production by 50 per cent. and dismiss more than half its labour force if it is to become fully competitive within the Common Market, says a report drawn up by the Social Committee of the E.E.C. European Parliament. The report declares that the Italian sulphur industry, which has been isolated from the other sulphur industries of the Six until December 12 will only become competitive once a complete transformation and reconversion entailing a reorganisation of the mines in Sicily, a unified administration and the introduction of a vertical system of production have been introduced.

Nigerian Pharmaceutical Co-operative Established.—The Government of Nigeria has been asked to ensure that no chemical or pharmaceutical indus-try with a capital investment below £500,000 is established in Nigeria by foreign firms unless in partnership with domestic capital. Mr. J. A. Eqwu (secretary of the Eastern Nigeria branch of the Pharmaceutical Society of Nigeria), said recently that if the "indiscriminate" setting up of minor industries by foreign investors was not checked, it would jeopardise the progress of Nigerian businessmen and could make the country economically dependent on foreign investment. Mr. Eqwu suggested that where an agreement could not be reached on the production of a particular article, such goods should be imported until a Nigerian firm was established in partnership with a foreign firm to manufacture the article. He said that his society had set up a co-operative society known as Co-opharm Nigeria, Ltd., with the aim of promoting the domestic pharmaceutical industry. He asked the Nigerian Governments to discourage foreign firms from undertaking retail trade of pharmaceutical products.

NOTES ON NEW **MEDICAMENTS**

ATROMID. - Constituents: Androsterone and ethyl-alpha (p-chlorophenoxy) isobutyrate. The latter also has the approved name clofibrate. Androsterone is one of the naturally occurring male hormones, and when injected also has the effect of lowering the cholesterol level of the blood. When given orally however, that effect is not observed. Clofibrate also has a lowering effect on the blood cholesterol and in addition it has the power of increasing the activity of orally administered androsterone when the two drugs are given together. Clofibrate is hydrolysed by tissue enzymes to liberate the free acid, which may prevent the androsterone from becoming bound to the serum proteins. Thus by permitting a rise in the liver concentration of the hormone, the final result may be an increase in metabolic activity.

ENAVID E.-Constituents: Norethynodrel and mestranol. Norethynodrel, described chemically 17-alpha-ethinyl-17-hydroxy-5(10)-@stren-3one, is a powerful, orally effective progestogen. It has a specific effect on the endometrium, which is enhanced by the addition of the æstrogenic substance mestranol. The product is intended for the treatment of dysmenorrhea, and should be distinguished from Enavid, which contains a different proportion of æstrogen, and is used in the control of fertility. Other products containing a progestogen and an æstrogen are represented by Anovlar (norethisterone and ethinylæstradiol) and Orasecron (ethisterone and ethinyl@stradiol).

ENDURONYL.—Constituents: Methyclothiazide and deserpidine. Methyclothiazide is one of the thiazide group of diuretics, but is characterised by a prolonged action. Descrpidine also known as Harmonyl, is a derivative of reserpine with reduced side-effects. The effects of deserpidine on the blood pressure arc increased by combined treatment with a thiazide diuretic, and Enduronyl is formulated on that basis, Similar considerations apply to other products such as Serpasil-Esidrex, which contains reserpine and hydrochlorothiazide; Serpasil-Esidrex-K and Salupres (reserpine, hydrochlorothiazide and Salupres (reserpine, hydrochlorothiazide and potassium chloride), Decaserpyl-Plus (methoserpidine and benzthiazide), and to Rautrax (Raudixin, hydroflumethiazide and potassium chloride).

HEMINEVRIN. - Chemistry: Di-4-methyl-5-(2chloroethyl)—thiazole ethanedisulphonate. The compound has a chemical relationship to aneurin, as that vitamin is built up from a thiazole and a pyrimidine ring. Separation of the two moieties is accompanied by a change in activity, as the thiazole ring has certain anti-convulsant and hypnotic properties, The derivative of thiazole represented by Heminevrin has an unusual action, as although it has hypnotic properties, and in common with other hypnotics has no significant analgesic effects, its use is accompanied by an amnesia to painful stimuli. The drug has its main applications in the relief of some of the symptoms of alcoholism, and aneurin itself is also used for that purpose, mainly in association with other vitamins of the B group, as exemplified in such preparations as Pabrinex and Parentrovite.

PAEDO-SED.—Constituents: Dichloralphenazone and paracetamol. Dichloralphenazone is a complex of two molecules of chloral hydrate and one molecule of phenazone, and the product is characterised by a marked reduction in the gastric irritant effects of chloral, Sedatives however are of no value when given alone in the insomnia associated with pain, and in such circumstances the addition of an analgesic is necessary. In Paedo-sed the well-known mild analgesic paracetamol has been included for that purpose. Hydratene is formulated on similar lines, and contains chloral hydrate and paracetamol.

PANASORB.-Constituents: Paracetamol and sorbitol. The problem of the absorption of drugs is attracting considerable interest, and experiments have shown that there is considerable individual variation in the ability to absorb paracetamol. Such variations in the degree of absorption may account for many apparent anomalous effects. Panasorb represents an attempt to overcome

absorption difficulties by the addition of auxiliary substances, in this case the sugar sorbitol, and the mixture is claimed to produce an improved pattern of absorption.

PRENOMISER PLUS—Constituents: Isoprenaline sulphate and atropine methonitrate. The former has powerful bronchodilator properties, and the atropine derivative has the spasmolytic properties of the parent drug, but is much less toxic, and has a longer action. The drugs are available in a pressurised container, which has a metering device to permit the administration of a standard dose. Isoprenaline is also available an an aerosol as Iso-Brovon, and Medihaler-Iso. A related drug, Alupent, with bronchodilator properties, is also available in a metered acrosol pack.

RONICOL.—Constituents: Standard Ronicol tablets contain 25 mgm, of β -pyridyl carbinol, and not as stated last month (under the heading Ronicol Timespan "). [Corrected note.]

THIAVER,—Constituents: A standardised extract of the alkaloids of green hellebore, together with epithiazide, The latter can be described chemically as 6-chloro-3.4-dihydro-7-sulphamoyl-3-(2:2:-trifluoroethylthiomethyl) benzo 1:2:4-thiadiazine 1:1-dioxide, and is one of the more potent thiazide diuretics. Some thiazide diuretics have certain hypotensive properties, and as a group have the power of potentiating the action of other hypotensive drugs, so that, when given together, they permit a reduction of dose, with consequent lessening of sideeffects. Epithiazide also offsets the nausea often associated with green hellebore therapy, and permits the wider use of the drug. Other mixed products are represented by Abicol and Centyl with reserpine (reserpine and bendrofluazide), Decaserpyl plus (methoserpidine and benzthiazide). Ismclin-Navidrex K (guancthidine, cyclopenthiazide and potassium chloride), Rautrax (rauwolfia root, hydroflumethiazide and potassium chloride), Serpasil-Esidrex (reserpine and hydrochlorothiazide) and Salupres (reserpine, hydrochlorothiazide and potassium chloride.

PRINT AND PUBLICITY

PUBLICATIONS

Medical Propaganda

Booklets, folders, leaflets, etc., directed to doctors but available to pharmacists on request.

BAYER PRODUCTS Co., Winthrop House, Surbiton-on-Thames, Surrey. "Panasorb" (7-p. booklet). BERK PHARMACEUTICALS, LTD., 8 Baker Street, London, W.1. "Thiodril . . . for the treatment of chronic rhinitis." (30-p. booklet.) "Thiodril" (card).

CARLTON LABORATORIES (SOUTHERN), LTD., 2 Norfolk Square, Brighton, Sussex: Feravol, Feravol syrup, Feravol-G, Phyldrox, Alka-Donna and Alka-Donna-P (cards),

Donna and Alka-Donna-P (cards),
GEIGY PHARMACEUTICALS CO., LTD., Wythenshawe, Manchester, 23. "Butazolidin, DeltaButazolidin, Anturan" (3-p. folder). "Hygroton 50 mgm." (card).
GLAXO LABORATORIES, LTD., Greenford, Middlesex, Glaxo products reference list, Pp. 126,
HOLLOW, LTD. Pharmaceutical Division.

HORLICKS, LTD., Pharmaceutical Division, Slough,

Bucks, Pristacin (card),

IMPERIAL CHEMICAL INDUSTRIES, LTD., pharmaceuticals division, Wilmslow, Ches. "Synandrone and Synandrone-N . . . for the treatment of the less severe inflammatory dermatoses." (3-p. booklet), "Atromid" (25-p. booklet), LABORATORIES FOR APPLIED BIOLOGY, LTD., 91

Amhurst Park, London, N.16. "Volital . . . central stimulant " (card).

MERCK SHARP & DOHME, LTD., Hoddesdon, Herts. Hydroderm (card); Pyrazinamide (card); "Another line of attack—the place of Pyrazinamide" (3-p. booklet), "Benemid , , for chronic gout" (3-p. booklet); Benemid (card).

PHARMACEUTICAL SPECIALITIES (MAY & BAKER),

LTD., Dagenham, Essex, "Flagyl" (30-p. book-

PHARMETHICALS (LONDON), LTD., Victoria Way. Burgess Hill, Sussex, and FBA PHARMACEUTICALS, LTD., Burrell Road, Haywards Heath, Sussex. "Durenate" (16-p. booklet).

RIKER LABORATORIES, Loughborough, Leies: "Thiaver, for the treatment of hypertension" (17-p. booklet), Thiaver — antihypertensive (card).

ROCHE PRODUCTS, LTD., 15 Manchester Square. London, W.1. Taractan (3-p. booklet); "Mar-

plan for this patient " (3-p. booklet); Becosym (3-p. folder).

JOHN WYETH & BROTHER, LTD., Taplow, Maidenhead, Berks, "Zactipar" (10-p, booklet).

Catalogues

N. C. Brown, Ltd., Eagle Steelworks, Heywood, Lancs, Storage equipment, Pp. 17.

PRESS ADVERTISING

Cuxson, Gerrard & Co., Ltd., Oldsbury, Bir-mingham. Sylvia sanitary towels. In national

DENDRON DISTRIBUTORS, LTD., 94 Rickmansworth Road, Watford, Herts. Yaxa deodorant products. In Daily Mirror, Woman's Mirror, She,

GERHARDT-PENICK, LTD., Purley Way, Croydon, Surrey, Tums. In News of the World, The People, Daily Express and Daily Mirror.

GEVAERT, LTD., Great West Road, Brentford, Middlesex. Gevacolor film. In national Press

and amateur photographic publications.

GIBBS-PEPSODENT, LTD., Hesketh House, Portman Square, London, W.1. Harmony (raven black). In Woman, Woman's Own, Woman's Realm and Woman's Mirror.

THOS, GUEST & Co., LTD., 92 Carruthers Street, Ancoats, Manchester, 4. Sure Shield lavatives, In My Home, Home, Housewife, Everywoman, Woman and Home, Mother and Baby, Parents

and Mother.

JOHNSON & JOHNSON (GREAT BRITAIN), LTD., Slough, Bucks, Tek antiseptic tooth-brushes, In TV Times.

KODAK, LTD., Kodak House, Kingsway, don, W.C.2. Kodak cameras and colour film. In Daily Express, Daily Mail, Daily Mirror, Daily Telegraph and Daily Herald, Movie cameras and film. In Sunday Express, Sunday Pictorial, Observer, Daily Mail, Daily Telegraph, Daily Express, News of the World and Sunday Telegraph. Instamatic cameras. In Daily Express, Daily Mail, Daily Telegraph, Daily Mirror and Sunday Express (starting mid-May).

Nicholas Products, Ltd., Slough, Bucks, Feminax tablets. In leading women's publications. POTTER & MOORE, LTD., Lavender House, Sey-

mour Road, London, E.10. Go deodorant products. In Daily Mirror, Woman, Woman's Own, Woman's Mirror and Woman's Realm. ROBINSON & SONS, LTD., Wheat Bridge Mills, Chesterfield, Nikini pads and Mone sanitary

towels. In leading women's magazines. SMITH & NEPHEW, LTD., Bessemer Road, Welwyn Garden City, Herts. Elastoplast. In Daily

STAFFORD-MILLER, LTD., Hatfield, Herts: Dr.

Express.



COUNTER "DISPENSER" FOR EYE COS-METICS: The counter "dispenser" illustrated is being supplied to chemists placing with the distributors, Spalton & Jennings, Ltd., Columbia House, Aldwych, London, W.C.2, an order value £8 or more for Arcancil eye cosmetics. The "dispenser" is in black plastic lettered in gold. The showcard only, which is in black and white with the Arcancil name in gold, is supplied with orders valued at less than £8. The "dispenser"

measures $13\frac{1}{2}$ in, x 9 in, x $16\frac{1}{2}$ in, high.

COMMERCIAL TELEVISION Figures in these columns represent number of appearances of the "spot" during the week.

Aprií 14—20		London	Midland	North	Scotland	Wales	South	N.E.	Anglia	Ulster	Westward	Border	Grampian	Eireann	Channel Is.	W.& N.Wale
4711 eau de Cologne			_	_	_	_	2	_	_	_	_	_	_	_	_	_
Alka Seltzer	•••	5	2	5	_	5	5	_	5	5	5	5	_	1	5	5
Anadin	•••	4	3	5	8	5	1	_	2	2	1	2	_	-	-	
Anne French products		_	_	1	_	_	_	_		1	_	_	_		—	_
Askit	•••	_	_	_	13	_	_	_	_	_	_	7	2	_	_	_
Beecham powders		4	4	4	3	3	3	4	3	3	3	3	3	_	_	_
Bunty Baby products	•••	_	_	1	_	_	_	_	_	2	_			_	_	_
Chiclets		_	_	1	_	_	_	1	1	_	_	_	_	_	_	_
Cuticura	•••	_	_	2	2	_		_	_	2	_		_	_	_	
Dentosine Dentu-creme	•••		1	_	_	_	1	_	1	_		_	_		_	
Deman					1	1	1		1	1	1	1	1	_		
Prote facia sale	•••									3						
Tenance		1	1	_	_	_	_	_	_		_	_	_			_
Izal toilet tissue	•••	3		_	_	_	_	_		_	_		_	_	_	
Kleenex		2		2	2	2	2	2	3	2	2	2	3	_	_	_
Loxene shampoo			1					4	_			_				_
Macleans tooth-paste		2	_	2	_	2	4	2	4	_	3	_	1	_		_
Milk of Magnesia		3		1	2	2	i	2	2	2	2	2	3	_	_	_
tablets		2		2	1	2	2	2	2	2	3	_	3		_	3
Moorland tablets				_	_	2.	_	_	2	2	_		_	_		_
Nivea creme		_	2		2	_	_	_			_	_		_	_	-
Phensic		3		5	_	6	4	5	3	•—		4			_	
Phyllosan		3	3	3	_	3	3	3	3	—	_		_		—	_
Poli-grip		_	1	_	_	_	_	_	1	_	1		_	_	_	_
Rinstead pastilles		1	1	1	_		—	—	_	_	_	_		_		
Rosedale Lano-spray		2	_	2	3	_	_	_	—	_	_	-	_	_	—	—
Salvelox		2		_	_	1	2		2	-	$\dot{-}$	_	—	_	—	_
Setlers	•••	3	2	3	4	4	3	3	4	_	4		—	_	—	_
Twice as Nice shampoo	• • • • • • • • • • • • • • • • • • • •	_	_	_	-	3			_	_	_	_	_	_	-	_
VO5 conditioner			_	_	1	1	_	_	_	_	1	_		-	_	_
shampoo	•••	2		2	2	1	3	_	2		1	_	_	_	_	—
spray		2	2	2		3	2	_	2	_	2	_	_		-	
Get Set Yeast Vite	•••	_	_	_	_	1		_	_	_	1	_	_	_	_	_
Zectone		2		3	2	3	1	2	2	2	2	2	2	_	3	2
Zestone	•••	1	_	_	_	_	_	_		_		_	_		_	_

Wernet's denture fixative powder, In Express, Daily Herald, Daily Mail, Daily Mirror, News of the World, People, Sunday Express, Sunday Pictorial, Radio Times, T.V. Times, Reader's Digest, Woman's Weekly, Lady, Woman's Own and Woman,

TAMPAX, LTD., Havant, Hants. Tampax. women's magazines.

WHITECROFT (LYDNEY), LTD., Lydney, Glos. Rem-Lac lacquer-removing shampoo. In Woman, Woman's Own, Honey, True Romances, True Story, Boytriend, Mirabelle/Marty, Marilyn, Valentine, Roxy and Teen.

COMING EVENTS

Items for inclusion under this heading next week should be sent in time to reach the Editor not later than first post on Tuesday morning, April 9.

Sunday, April 7

ROMFORD BRANCH, PHARMACEUTICAL SOCIETY, Warren golf club, Woodham Walter, Maldon, at 1.45 p.m. Golf competition.

SHEFFIELD BRANCH. PHARMACEUTICAL SOCIETY. Royal Victoria hotel, Sheffield, at 10.30 a.m. "The Pharmacist's Rôle" (symposium),

Monday, April 8

BRITISH PHARMACEUTICAL STUDENTS' ASSOCIATION, Royal College of Science and Technology, John Street, Glasgow, C.1. Annual conference. Until April 12.

COLCHESTER BRANCH. PHARMACEUTICAL SOCIETY, George hotel, Colchester, at 8 p.m. Annual meeting and Dr. G. R. Boyes on "Tranquillisers" (tape-recorded).

ENFIELD CHEMISTS' ASSOCIATION, Enfield Arms hotel, at 7,45 p.m. Mr. G. Smith on "The Work of the Department of Pharmaceutical

NORTH LONDON PHARMACEUTICAL ASSOCIATION, Beale's restaurant, 368 Holloway Road, London, N.7, at 7.45 p.m. Mr. A. L. Pearce (London director, Boots, Ltd.) on "The Place of Pharmacy in Modern Business,"

WOKING BRANCH, PHARMACEUTICAL SOCIETY, Red House hotel, Woking, at 7.45 p.m. Annual meeting and Dr. E. J. Shellard on "Pharmacy and Scenery in Poland" (illustrated),

Tuesday, April 9

COVENTRY AND WARWICKSHIRE BRANCH, PHARMA-CEUTICAL SOCIETY, City Arms hotel, Earlsdon Street, Coventry, at 8 p.m. Annual meeting.

SOUTH-EAST METROPOLITAN BRANCH, PHARMACEUTI-CAL SOCIETY, Prince of Orange hotel, 189 Greenwich High Road, London, S.E.10, at 8 p.m. Dr. F. R. Waldron on "The Captain of the Men of Death."

SOUTH SHIELDS PHARMACISTS' ASSOCIATION, Golden Lion hotel, King Street, South Shields, at 7.30 p.m. Annual meeting.

Tees-side Branch, Pharmaceutical Society and Middlesbrough Branch, National Pharma-CEUTICAL UNION, Vane Arms hotel, High Street. Stockton-on-Tees, at 7.30 p.m. Annual meetings.

Wednesday, April 10

CHESTERFIELD BRANCH, PHARMACEUTICAL SOCIETY, Station hotel, Chesterfield, at 8 p.m. Discussion of resolutions for Branch Representatives' meet-

BOURNEMOUTH BRANCH, PHARMACEUTICAL SOCIETY and BOURNEMOUTH MEDICAL SOCIETY, Royal Victoria hospital, Boscombe, at 8,15 p.m. Dr. D. Long (head of medical research, Wellcome Foundation, Ltd.) on "The Clinical Assessment of New Drugs,"

GREAT YARMOUTH AND LOWESTOFT BRANCH, PHAR-MACEUTICAL SOCIETY, Pier hotel, Gorleston, at 7.45 p.m. Annual meeting.

SWANSEA AND WEST GLAMORGAN BRANCH, PHAR-MACEUTICAL SOCIETY, Dragon hotel, Swansea, at 7,45 p.m. Dr. G. M. King (physician superintendent, St. Cadoc's clinic, Caerleon) on "Medical Aspects of Hypnosis."

Thursday, April 11

GLASGOW AND WEST OF SCOTLAND BRANCH, PHAR-MACEUTICAL SOCIETY, Royal College of Science Technology, John Street, Glasgow, C.1, at 7.45 p.m. Annual meeting.

TRADE MARKS

APPLICATIONS ADVERTISED BEFORE REGISTRATION

From the "Trade Marks Journal," March 20

For all goods (3)

KIGUMATIC, 840,888, by Kigu, Ltd., London,

For veterinary preparations (5)

IPEVET 843,357, by Ipevet, Ltd., Leatherhead, Surrey.

For blankets, and pads for personal use, all being electrically heated and quilted and containing foamed materials (10)

NORVIC QUILTED FOAM, B837,360, by Denhams (Norwich), Ltd., London, W.3.

For baby soothers and teats and valves, all for feeding bottles (10)

THE Device with words GRIP-TIGHT. B805,744, by Lewis Woolf, Ltd., Birmingham.

For metal combs (21)

CAR1B, B839,346, by Norchester Agencies, London, W.12.

From the "Trade Marks Journal," March 27 For all goods (3)

SIDEROL, 834,898, by C.A.C.1. Compagnie d'Applications Chimiques à l'Industrie, Paris,

For cosmetic preparations (3)

SHADOPLAY, B816,716, by Miners Make-up, Ltd., Surb.ton, Surrey,

For perfumes, cosmetics, non-medicated toilet preparations, essential oils, and soaps (3)

KONZENTROL, 836,284, by Dragoco Spezialfabrik Konzentrierter Riechund Aromastoffe Geberding & Co., G.m.b.H., Holzminden, Western Germany.

For soap (3)

PEDICLEX, 839,627, by Ansun Proprietarics, Ltd., Silverdale, Newcastle-under-Lyme, Staffs. For perfumes (3)

MIOCENE, 841,431, by Miocène, London, S.E.6.

For perfumes, toilet preparations (non-medicated) cosmetic preparations, dentifrices, toilet articles not included in other classes, soaps and essential

DISTILAN, INSTILAN, 842,962-63, by Romney Cosmetics, Ltd., London, S.W.1.
For chewing gum and confectionery containing

chewing gum, all being medicated (5)

VITA-GUM, 819,549, by Chix Confectionery Co., Ltd., Slough, Bucks,

For pharmaceutical preparations for human use

Devices with word UPJOHN, 829,718, by Upjohn, Ltd., Crawley, Sussex.

For preparations for the destruction of plants, and preparations for use in the protection of plants (5)

BRASSI-COL, 829,729, by Farbwerke Hoechst, A.G. vormals Meister Lucius & Brüning. Frankfort-on-Main-Hoechst, Germany,

For preparations for the destruction of animals and plants, and preparations for use in the protection of plants (5)

BROSSICAL, 829,730, by Farbwerke Hoechst, A.G., vormals Meister Lucius & Brüning, Frankfort-on-Main-Hoechst, Germany.

For dietetic preparations (5)

FRATODES, 834,386, by Andomia Products. Ltd., Bradford, Yorks.
For all goods (5)

MULTIFAS, 837,084, by Merck & Co. Rahway, New Jersey, U.S.A. FUNSECTIN, 842,905, by Murphy Chemical Co., Ltd., St. Albans, Herts. MAGNASPART, 843,247. by Fraser Chemicals, Ltd., London, S.E.13.

For pharmaceutical and veterinary preparations (5) ARVALGIN, 838,521, by Chas, Pfizer & Co., Inc., Brooklyn, New York, U.S.A.

For pharmaceutical substances (5)

EPSAPUR, 839,196, by Emser Werke, A.G. (Usines d'Ems, S.A.), Domat-Ems, Switzerland. For veterinary preparations for the treatment of pest diseases in animals (5)

PESTIVAC, 839,319, by Crookes Laboratories. Ltd., London, N.W.10.

For pharmaceutical preparations and substances for veterinary use (5)

IONALYTE, 840,683, by Stevenson, Turner & Boyce, Ltd., Guelph, Ontario, Canada, and Reading, Bcrks.

For bandages, material prepared for bandaging, medical and surgical plasters and surgical dressings (5)

Device with words INVISIBLE ELASTO-PLAST, 840,863, by T. J. Smith & Nephew, Ltd., Hull, Yorks.

For bactericides (5)

VELLONA, 842,623, by Industrial Soaps, Ltd., London, E.1.

For still cameras (9)

MANUMATIC, 826,815, by Ilford, Ltd., Ilford, Essex.

For medical, surgical and dental apparatus, lighting apparatus for surgical purposes, and parts and fittings (10)

AMSCO, 827,441, by American Sterilizer Co., Erie, Pennsylvania, U.S.A.

For toilet paper and toilet tissues, none being medicated (16)

Device with words JEYES BABYSOFT INTER-FOLDED DOUBLE SOFT TOILET TISSUE. B837,288, by Jeyes' Sanitary Compounds Co., Ltd., Barking, Essex.

For hair nets (26)

OCEANS OF NOTIONS, 843,015, by A. Burnet & Co., Ltd., London, W.1.

PATENTS

COMPLETE SPECIFICATIONS ACCEPTED From the "Official Journal (Patents)," March 20

Photographic shutters. A. Gauthier, G.m.b.H. 924 668

Stabilisation of photographic silver halide emulsions, General Aniline and Film Corporation, 925,115.

British patent specifications relating to the above will be obtainable (price 4s. 6d, each) from the Patent Office, 23 Southampton Buildings, Chancery Lane, London, W.C.2, from May 1, 1963.

From the "Official Journal (Patents), March 27

Antibiotic streptozotocin. Upjohn Co. 925,481. Medicated pad or bandage and method of making same, Scholl Mfg, Co., Ltd. 925,580.

Therapeutic compositions containing cobalamine.

Distillers Co., Ltd. 925,716.

Veterinary compositions for combating liver flukes. Farbwerke Hoechst, A.G. 925,717.

Dermatological preparations containing corticosteroids. J. R. Geigy, A.G. 925,407.

Lysine nicotinate and its therapeutic applications, A.E.C. Soc. de Chimie Organique et Biologique, 925,567.

Drug resin adsorbates and a process for the manufacture of same, F. Hoffmann-La Roche & Co., A.G. 925,890.

Anthelmintic compositions comprising a phosphoric ester and an anticholinergic, American Home Products Corporation, 925,769.

Cocoa-butter substitutes. Unilever, Ltd. 925,805. Process for the production of alkali metal perborate. Deutsche Gold-und Silberscheideanstalt. 925,587;

Ester of hydroxy-methylfurfural and process for its preparation, Merck & Co., Inc. 925,812. Process for the production of 2,4,5,6-tetrachloropyrimidine, Sandoz, Ltd. 925,506.

Production of galactose. Thomas Kerfoot & Co., Ltd. 925,380.

Trifluoromethylthiaxanthene and xanthene deriva-Smith Klinc & French Laboratories. tives. 925,538.

Composition for enzyme determination, Warner-Lambert Pharmaceutical Co. 925,724.

Aromatic sulphonamides and process for their

925,329. production, J. R. Geigy, A.G.

5-nitrofuran derivatives, C. F. Boehringer & Soehne, G.m.b.H. 925,569.

Production of zinc oxide, Horizons, Inc. 925,420. Trifluoromethylthiaxanthene and xanthene deriva-tives, Smith Kline & French Laboratories. 925,539.

Purification of kanamycin A. Merck & Co., Inc. 925,790.

Penicillin. Distillers Co., Ltd. 925,281.

Fermentation process for the production of demethyltetracycline, Lepetit, S.p.A. 925,282. Method of preparing true vitamin B_{12} or cyano-

by fermentation process. Pierrel, cobalamin S.p.A. 925,526.

Disulphide compounds of octanoic acid derivatives. Fujisawa Pharmaccutical Co., Ltd. 925,586.

Cyclopentanophenanthrene derivatives and processes for the production thereof, Syntex, S.A. 925.849.

Herbicidal compositions. Dow Chemical Co. 925,809.

Aminophenyl methylcarbamates and parasiticidal compositions thereof. Dow Chemical Co. 925,424.

Fungicidal compositions containing benzimidazole derivatives, Farbenfabriken Bayer, A.G. 925,320. Guanidine derivatives, Rhone-Poulenc,

Treatment of surface sprouting edibles. Pittsburgh Plate Glass Co. 925,456.

Labelling machines, Morgan Fairest, Ltd. 925,667. Apparatus for intravenously administering fluid. T. B. Clerk (Deseret Pharmaceutical Co., Inc.). 925.823.

hotographic contact printing or copyis machines, Block & Anderson, Ltd. 925,347. Photographic

Apparatus for photo-copying image-bearing originals, Lumoprint Zindler, K.G. 925,311.

Photographic camera, Agfa, A.G. 925,516-17.

Production of transfer images by the silver salt diffusion process and sensitive material therefore, Agfa, A.G. 925,313.

Photographic preparation of hectographic printing master sheets. W. Ritzerfeld and G. Ritzerfeld, 925,383.

Means for focusing the objective lens of a slide projector. Kamera-Und Kinowerke Dresden Veb. 925,375.

Methods of producing hectographic printing massheets. W. Ritzerfeld and G. Ritzerfeld. 925.804.

Still camera attachnient. Perkin-Elmer Corporation, 925,531.

Frames for film transparencies, Filmosto-Projektion Johannes Jost. 925,829.

British patent specifications relating to the above will be obtainable (price 4s, 6d, cach) from the Patent Office, 23 Southampton Buildings, Chancery Lane, London, W.C.2, from May 8, 1963.

CONTEMPORARY THEMES

Subjects of contributions in current medical and technical periodicals

AMINO-ACID SEQUENCES in the active centres of certain enzymes, Proc. chem. Soc., March.

ALBUMIN. Plasma protein synthesis in the liver: method for measurement of, Science, March 8,

MEASLES VACCINE, Protection after exposure to measles by attenuated vaccine without gammaglobulin, Brit, med, J., March 30.

DRUGS AND DOCTORS, Brit, med, J., March 30. MERCURY IN THE URINE, A simplified method for the determination of Bull, Inst, Publ, Health, Tokvo. June.

HYDROCORTISONE. Absorption of, from the large bowel. Lancet, March 30. CORONARY-ARTERY BALL-AND-SOCKET

CANNULÆ, Lancet, March 30. ADENOSINE TRIPHOSPHATE. Stimulation of insulin

secretion in vitro by. Nature, March 30. METHYLANDROSTENEDIOL DIENANTHOYLACETATE, In-

creased survival-time in dystrophic mice treated w th. Nature, March 30. CYTOTOXIC DRUGS, Suppression of experimental

allergic encephalomyclitis by. Nature, March NIACIN CONTENT in coffee, Nature, March 30.

A MEDIUM for the isolation of Streptococcus facalis, sensu strictu. Nature, March 30. EMETINE AND RELATED COMPOUNDS. The synthesis

of, J. chem. Soc., March. a-METHYDOPA, A hypothesis for the mode of action of, in relieving hypertension. J. Pharm.

Pharmacol., April. HISTAMINASE ACTIVITY, A new method for the

estimation of J. Pharm. Pharmacol., April. POTENTIOMETRIC MEASUREMENTS in solutions of non-ionic surfactants. J. Pharm. Pharmacol., April,

RADIOISOTOPES in tropical medicine. Chron. Wld. Hlth. Org., March.

WORLD RABIES SITUATION, 1960-61, Chron, Wld. Hith, Org., March,

COLIMYCIN in chronic purulent respiratory disorders, Practitioner, April,

PHARMACFUTICAL ANALYS'S, X-ray emission spectroscopy in. J. pharm, Sciences, March.

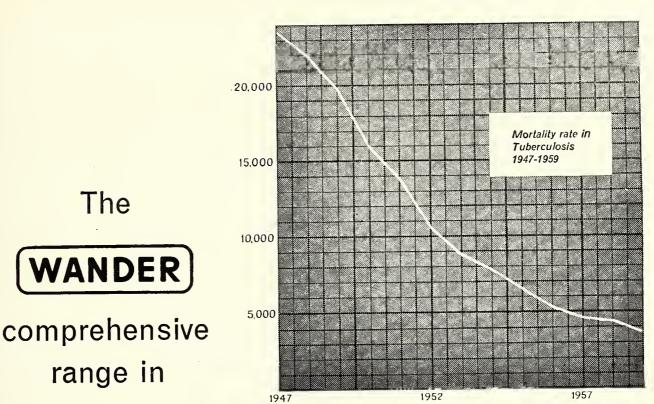
A SUSTAINED RELEASE PRINCIPLE, Some studies of.

J. pharm. Sciences, March.

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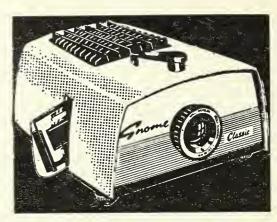
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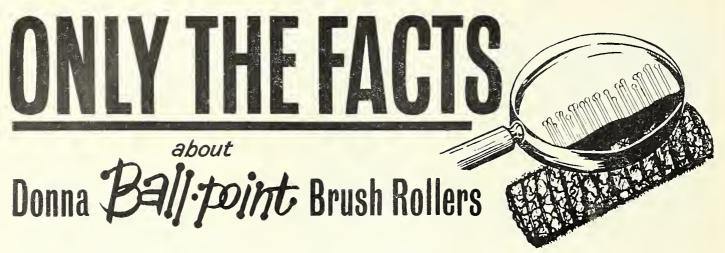


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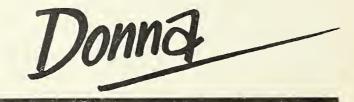
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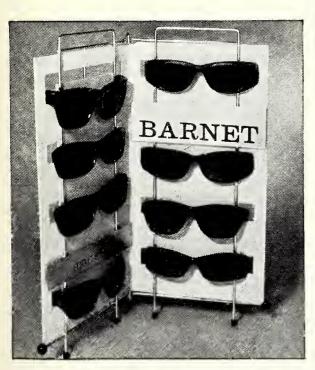
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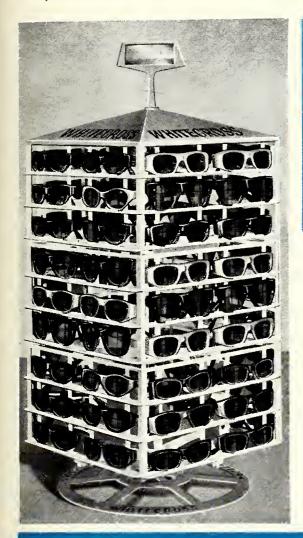


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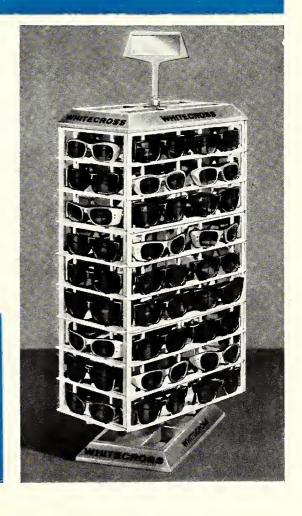
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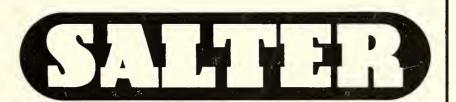




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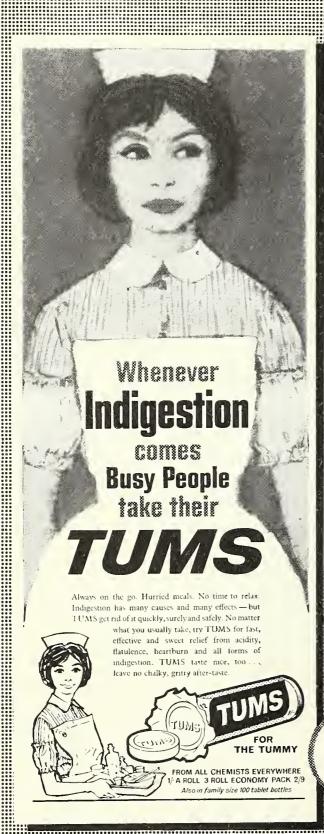
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Whatever you sell—food, hardware, pharmaceuticals—however you sell it—in the shop on the corner or mammoth supermarket, Shopshow 63 is your Show. Today's most up-to-the-minute, most high-powered retailing methods assembled in one comprehensive display for you to study and select, with expert advice instantly available on your particular business. Packaging demonstration of foods and non-foods—Shopshow Arcade—Small Shops, fitted out to show the flexibility of self service—films and conferences.

- Display Methods
- Labour-Saving Aids
 - Packaging •
 - Shop Fittings
 - Pricing •
 - Refrigeration •
- Vending Machines
- Latest Retailing Ideas

TODAY
FOR
FREE
TICKETS

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NAME	
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TYROZETS

TYROZETS lozenges are widely prescribed and universally accepted for the relief of minor mouth and throat infections. Wintry days mean sore-throat customers for you. Make sure that your stocks of fast-selling TYROZETS are adequate.

THE NEW COUNTER DISPLAY UNIT WILL INCREASE 'OVER-THE-COUNTER' SALES

TYROZETS lozenges contain 1 mg. tyrothricin and 5 mg. benzocaine.

TYROZETS (regd. trademark) are made in England by



MERCK SHARP & DOHME LIMITED, HODDESDON, HERTS



New

MAKES EASTER SALES RISE

Attractive 'SAXIN' advertisements are in national papers and magazines everywhere. This Easter 'SAXIN' in its new pack is bound for bigger sales than ever. The neat plastic dispenser is so light and handy to carry in pocket or handbag. Such an easy way to add non-fattening sweetness to a diet!

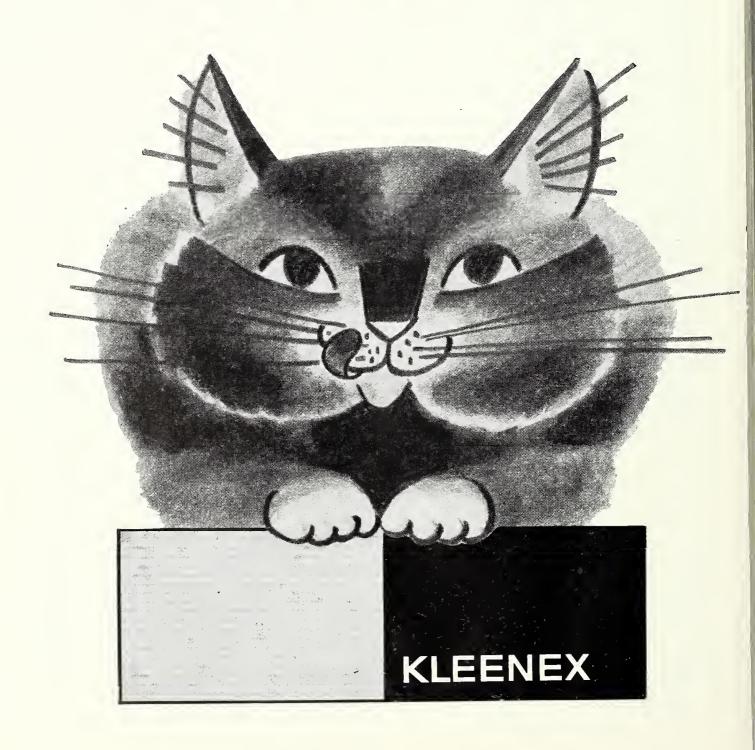
Make sure you keep your new counter dispenser 'Salesmaker' on display and filled with the new 'SAXIN' tubes.

'SAXIN' is advertised regularly in national and provincial newspapers and women's magazines.





WHO GETS THE CREAM?



THE CREAM OF TISSUE PROFIT GOES TO THE

KLEENEX STOCKIST. The margin on Kleenex* tissues gives you a profit of around 30%—and with quantity discounts, it's often still more!

THE CREAM! Two out of three customers prefer Kleenex to other makes of tissues!

THE CREAM! Kleenex advertising is heavier than for any other brand—and it's the *only* tissue advertised on TV!

STOCK, DISPLAY AND SELL KLEENEX

BRITAIN'S BEST-SELLING TISSUES!

*Regd. Trade Mark Kimberly-Clark Corp.

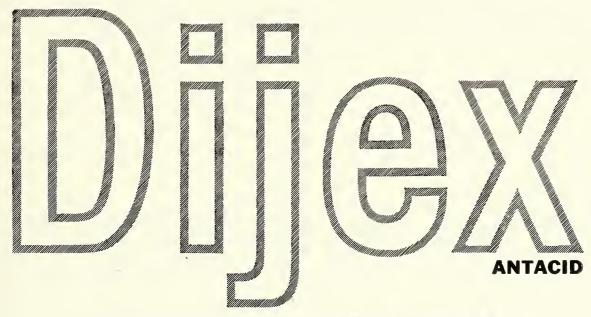


She's looking at one of your best salesmen

Every pair of Polaroid sunglasses comes packed with its own salesman—a new hangtag that carries a small polarizing lens. By rotating the tag in front of a Polaroid lens, you can demonstrate to your customers how all light can be blocked out. This simple test proves to you (and your customers) that you are selling genuine Polaroid sunglasses.

Unlike ordinary sunglasses, Polaroid polarizing sunglasses screen out horizontally reflected light. They eliminate blinding glare from roads, sand, water, and snow. The result is better vision because details normally obscured by glare can be seen with safety and comfort. What could be easier to sell than this no-glare feature — especially when the tag does most of the work.

POLAROID SUNGLASSES Polaroid (UK) Limited, Queensway House, Queensway, Hatfield, Herts



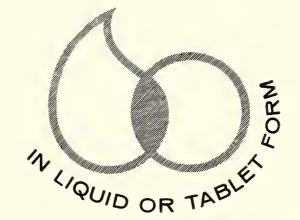
EFFECTIVE · PALATABLE

Dijex Liquid and Tablets are specific antacids exerting a prompt and sustained effect. They contain no sedatives or antispasmodics. Dijex Tablets and Liquid are smooth, palatable and are not nauseating. Both are equally effective for either long- or short-term antacid therapy.

DIJEX LIQUID — Magnesium hydroxide 1.6%, aluminium hydroxide gel 98%. Bottles of 8 fl. oz. Retail price 2/9d inc. p. tax (trade discount is 33\frac{1}{3}\% from the tax free price). Trade price 18/4d per doz. (p. tax extra).

magnesium carbonate co-dried gel, 400 mg. in a dextrose and milk-solids base. 30 individually wrapped tablets. Retail price 2/9 inc. p. tax (trade discount is 33\frac{1}{3}\% from the tax free price). Trade price 18/4d per doz. (p. tax extra).

MAKE SURE YOUR STOCKS ARE ADEQUATE TO MEET INCREASING DEMAND.



ORDER FROM YOUR USUAL WHOLESALER

or from WHOLESALE DIVISION, BOOTS PURE DRUG CO. LTD., STATION STREET, NOTTINGHAM. (Tel: 56111) and 71 Fleet Street, London, E.C.4. (Tel: FLEet Street 0111) and Motherwell Street, Airdrie. (Tel: Airdrie 2491)



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Samples and Literature on Request

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Height	Width	Depth	Shelves	Price	3 or more	Shelves	
71"	34"	9"	6	S8/-	S6/-	7/-	
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HANDY DRAWER UNIT

42" high, 13" wide, 12" deep. 20 DRAWERS: 5" wide, 3" high, 11½" long. Stove enamelled dark green. Direct from manufacturers. Write now for list of other sizes.

£7.15.0

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Buy direct from the manufacturers.

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EXPORTERS OF STEEL SHELVING





Complete Protection from Flies and other insects

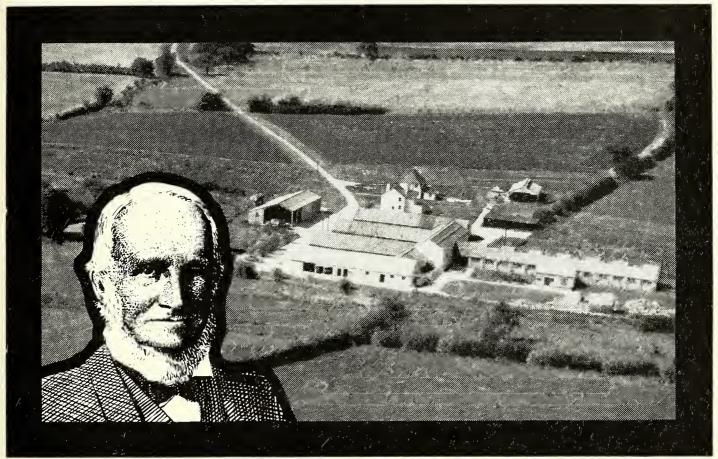
An established favourite with the equestrian public. AEROSOL Pack, the complete answer to the sad sight of continuous tail swishing. Spray the animals' heads and backs for instant protection. Can be used in the house, stables and byres too! A sure winner—get adequate stocks now. Retail price, Stable size 12 oz 11/6, Pony size 6 oz 6/6. Generous Trade Terms, free Sales Aids.

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BORN 1846... and still growing fast



Ransom's drug-growing farm at St. Ives, Huntingdonshire. Inset: William Ransom, founder of the Company

Ever since 1846, when William Ransom started his drug farm at Hitchin, the Company has specialized in cultivating medicinal plants. During that time, drugs and galenicals from Ransom's farm and factory have been produced in ever-growing dimensions. Today, in whatever part of the world they are found, Ransom's drugs and galencials set the standard in quality, dependability and performance. Let Ransoms quote you when you're next in the market for:

EXTRACTS · TINCTURES · ESSENTIAL OILS · RESINS · OLEO-RESINS · CHLOROPHYLL ETC



WILLIAM RANSOM & SON LTD Hitchin, Hertfordshire

NO NEED FOR

MEASURING

AND FITTING

except in very abnormal cases

The Chemist's life is made easier, and his customers are more satisfied, when he supplies Yalcs Nylon Elastic Hosiery. Its true two-way stretch provides the versatility which permits a wide range of fittings and



Full-footed or open-toe Obtainable under N.H.S. 48/- per pair



Full-footed, seamed Elegantly sheer 63/- per pair



Full-footed, Fashioned



Mesh texture gives fine appearance on leg. 63, - per pair

Jales nylon elastic hosiery

dispenses with nearly all

special measurements. Leading Chemists require Surgical Hose

that is second-to-none, plus superlative service. Yalcs

is the complete answer.

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LENTON PRODUCTS LTD . Grove Road, Lenton, Nottingham



C18 Colour Film For EASTER

STOCK NOW - PAY LATER

(payments deferred until June, July and August) and no deposit on your order.

Write for details to:-

GNOME PHOTOGRAPHIC PRODUCTS LTD CAERPHILLY ROAD, CARDIFF.

THOVALINE

for:-

BEDSORES

BEDSORES can be prevented by applying THOVALINE before the trouble starts but if already in existence will help greatly in healing.

BURNS

BURNS Unique action. THOVALINE is self sterile it eliminates pain and is a rapid healer.

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URINE DERMATITIS Excellent healing properties where rash exists and will prevent such trouble occurring if applied beforehand. Offensive odour is eliminated.

Supplies from your usual wholesale house:

ILON LABORATORIES

LORNE STREET · HAMILTON · LANARKSHIRE

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The Independent Chemist's Wholesaler for over 50 years

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NEW MILTON (HANTS): Whitefield Road,

New Milton 2581

CAMBRIDGE: T/A ARMSTRONGS OF CAMBRIDGE,

Coldhams Lane, Cambridge 55255

FINEDON (NORTHANTS): Allen Road, Finedon 435 NORWICH: SMITH & SONS (NORWICH) LTD., 44 & 48 Magdalen Street, Norwich 26112

COLCHESTER: Saint Botolphs House,

Colchester 77691

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LARBERT (STIRLINGSHIRE): The Viaduct, Larbert 635



PARACETAMOL B.P.

(listed British Pharmacopœia April 1st, 1963)

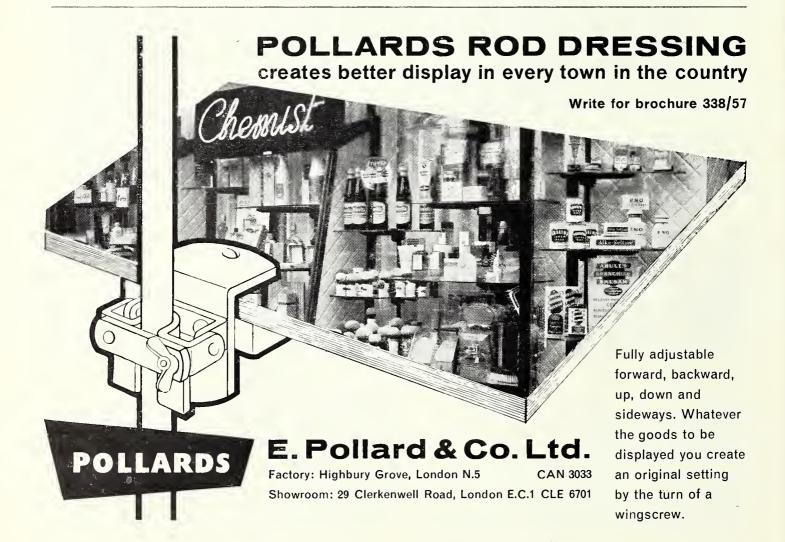
Bush Paracetamol has always set the standard and no change in manufacture will be necessary. Your enquiries are welcomed.

W. J. BUSH & CO. LTD

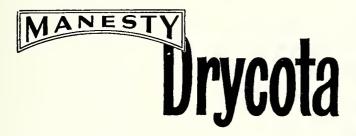
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Member of the Albright & Wilson Group of Companies

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2 outstanding successes from Manesty win world wide approval

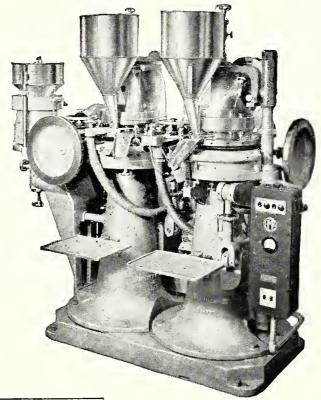


THE MOST ADVANCED DRYCOATING MACHINE IN THE WORLD

The Manesty 'DryCota' Combined Tablet Making and Compression Coating Machine is now in use in every Continent, and has proved its worth in making flat or convex tablets, round, square or capsule shaped, up to 900 finished coated tablets per minute or 1,800 uncoated tablets per minute. It will also make two-layer tablets. The Manesty 'Bi-Cota' is available for double coating or three-layer tablets.

Full details and illustrated literature on request.







FOR HIGH PRODUCTION AND HIGH QUALITY

5,280 TABLETS PER MINUTE

The high productivity of this machine is not only achieved by the immense output obtainable, but also by its cleanliness in operation. Three models, Variable speed. New rotary feeds, New pressure loading, Internal helical gear-drive. Dust extraction points. Automatic lubrication.

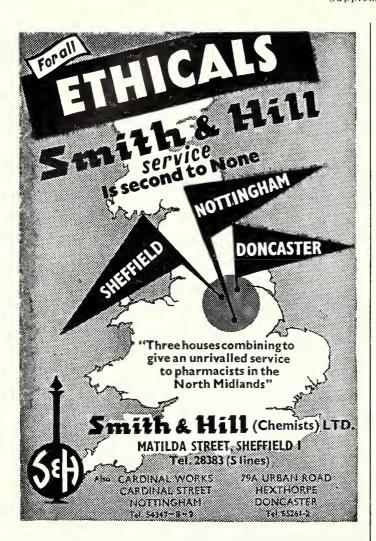
Full details and illustrated literature on request.

MANESTY MACHINES LIMITED

SPEKE · LIVERPOOL 24

Telephone: Hunts Cross 1972.
Telegrams: Manesty, Liverpool 24

TABLET MACHINES—MIXERS—GRANULATORS—COMMINUTORS—COATING PANS—AUTOMATIC WATER STILLS



Restrictive Trade Practices Act 1956 FIXED RETAIL PRICES 2/- -3/9 Including Purchase Tax The maintenance of these prices is a condition of sale

J. Collis Browne's

SALE RESTRICTED
TO REGISTERED CHEMISTS

Pharmacy and Poisons Act 1933

PURCHASER'S SIGNATURE NOT REQUIRED

Sole Proprietors-

J. T. DAVENPORT LTD.

Union Street, London, S.E.I FOR OVER 100 YEARS P.A.T.A

A NEW ALL-PURPOSE PERSONAL

WEIGHING MACHINE For Babies—Children—Adults

No Loose Weights-Capacity 20 stone × 1 oz.

These machines are manufactured in our Works at Edmonton, London, N.18.

They have been specially designed for Chemists' shops where space is limited.

Strongly constructed of Cast Iron—white enamelled with tare bar to balance off the Baby Basket.

Will give extremely accurate weighing service and comply with local Weights and Measures Bye-laws.

Obtainable from your usual wholesaler or direct from the makers.

Hire Purchase Terms are available.

Please send for illustrated Brochures



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Surface · ANALGESIC HEALING OINTMENT

Indicated for the treatment of inflammatory conditions of the oral mucosa

In tubes 6 grm. RETAIL PRICE 6/3 per tube inc. P.T.

(paid on importation) less $33\frac{1}{3}\%$ Retail Discount.

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Better for YOU and your customers!



NEW STYLE

Complete, tailored size range— $6\frac{1}{2}$ to 10—rising in $\frac{1}{2}$ sizes. Two-ply film gives extra strong palms and fingers. Unique microline surface for a non-slip grip. Long, fluted cuffs that stay up!

Retail: 4/9 Trade: 35/9 plus 10% P.T.





FEATHERWEIGHT

Britain's biggest selling lightweight glove! Thin yet strong—perfect for lighter work. Non-slip outer finish.

Retail: 3/3 Trade: 24/6 plus 10% P.T.

OTHER MARIGOLD GLOVES FROM 2'9

MARIGOLD can offer you an extensive range of other good quality rubber house gloves to retail as low as 2/9. Even at this level you enjoy a full profit margin. Write for samples and full details.

ALL CHEMISTS' WHOLESALERS STOCK MARIGOLD GLOVES

Manufactured by:

J. ALLEN RUBBER COMPANY LIMITED · LYDNEY · GLOUCESTERSHIRE

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It's a name worth remembering! Here is a range of Binoculars, Telescopes and Microscopes which will allow you to trade in quality optics with a very wide public. Realistically priced to suit the average pocket these instruments are nevertheless of a very high standard. We illustrate just two from the exclusive Greenkat range.

All supplied with plush lined leather cases.

No. 104 25 x 30 mm. 6 oz. Coated lenses, 3 draw-tubes, White body, Plated tubes, End tube focus.





GREENKAT

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Send for Price list, trade terms and descriptive brochure.

GREENHILL & ELLIS (EASTERN) LTD.

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COMPREHENSIVE REPAIR SERVICE

BY

VANGUARD INSTRUMENTS

the name synonymous with **QUALITY REPAIRS**

CAMERAS (still and cine)

PROJECTORS

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LENS RECONDITIONING AND COATING

48 HOUR EXPRESS SERVICE WHEN REQUIRED

LEICA AND ROLLIE SPECIALISTS

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ALL REPAIRS CARRY OUR 12 MONTHS GUARANTEE

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41 ARGYLE SQUARE, KING'S CROSS, W.C.I
(opposite St. Pancras and King's Cross Stations)

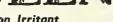
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 All Valuations and Stocktakings carried out under personal supervision of principals.

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BEAUTY PRODUCTS

THE SAFETY FACTOR IN EVERY DAY MAKE-UP

Prescribed by the Medical Authorities for over 20 years as the pure and safe cosmetic for sensitive skins.

New terms give 33\frac{1}{8}% discount.

Obtainable from Messrs Sangers Ltd., and Allied Companies, through your Wholesaler, direct from

BOUTALLS CHEMISTS LTD., 60 Lambs Conduit St., London, W.C.I



Sulvia Sanitary Towels



no wonder sales are soaring are you getting your share?

- PROTECTION High absorbency:
 Safe moistureproof backs: Sewnon loops: Silky soft knitted covers:
 Full range of generous sizes.
- PUBLICITY National Advertising:
 Self-service Display Stands: Attractive pack: Showcards: Window Stickers.
- SEND FOR A TRIAL ORDER AND GAIN
 REGULAR CUSTOMERS

- PROFITS Good profit rates:
 Generous bonus terms: Direct to retail only.
- PRICES Top quality towels at medium prices.

Size	Trade	- Retail
0	20/-	2/2
1	21/6	2/4
2	23/3	2/9
3	31/3	3/5

GENEROUS QUANTITY TERMS

Cuxson, Gerrard & Co. Ltd.

Oldbury - Birmingham



TELEPHONE CENTRAL 6565

Address Box Number Replies to: THE CHEMIST AND DRUGGIST, 28 ESSEX ST., STRAND, LONDON, W.C.2

APPOINTMENTS — 24/- per ½" s.c. minimum and pro rata. AGENTS — AUCTION SALES — BUSINESSES FOR SALE and WANTED — CLEARANCES and WANTS — CONTRACTS — MISCELLANEOUS — PATENTS — PARTNERSHIPS — PREMISES — PUBLIC and LEGAL NOTICES — SITUATIONS VACANT. Run-on — 4/- per line (minimum 20/-), Semi-display — 24/- per ½" s.c. minimum, Displayed with border rule, larger type faces and blocks — 60/- per s.c.i minimum. Reduced rates for one-third, one-half and full pages on application. SITUATIONS WANTED — 6/- per 18 words minimum, then 4d. per word. Use of Box No. — 2/-. Advertisements received by 4 p.m. Tuesday published same week.

EASTER 1963

The lotest dotes for occeptance of Classified Advertisements over the Eoster period ore os follows:

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COPY DATE

Not later than 4 p.m. on

APRIL 13, 1963 APRIL 20, 1963 APRIL 8 APRIL 16

PREMISES

SHOPS TO LET. Millfield Farm Estate, Leicester, with s./c, maisonette and garage. Two units remain in new parade of 10 shops serving large estate and surrounding district. Traders represented include butcher, greengroeer, hardware, hairdresser, Co-operative, etc, Rent from £580 per annum exclusive. Apply: Jones, Lang, Wootton & Sons, 58 St. James's Street, S.W.1. HYDe Park 6040, or H. & F. Tarratt & Sons, 16 Market Street, Leicester. C 8096 Leicester.

BUSINESSES FOR DISPOSAL

EXPANDING West Country mail order business, wholesale and retail, run by efficient staff, Would suit retired pharmacist, £5,000 (approx. $\frac{2}{3}$ of turnover), Stock at valuation. Box C 5147.

APPOINTMENTS

BARNET GENERAL HOSPITAL, WELLHOUSE LANE, BARNET, HERTS. (490 beds)

Locum Pharmacist

required for several months from 1st June. Application to Hospital Secretary with names of two referees. C 8133

CENTRAL GROUP HOSPITAL MANAGEMENT COMMITTEE

Locum Pharmacist
for holiday relief duty in the hospitals of the
Group, 13th May to 28th Sept, inclusive,
Salary 19 gns, p.w. Apply to Chief Pharmacist, Bethnal Green Hospital, Cambridge
Heath Road, London, E.2. C 634

CENTRAL GROUP HOSPITAL MANAGEMENT COMMITTEE

Locum Pharmacist

n charge at Mildmay Mission Hospital for holiday relief duty: 17th to 29th June, 1963. Salary £23 2s, per week. Apply to Chief Pharmacist, Bethnal Green Hospital, bridge Heath Road, London, E.2. C 633

ENFIELD GROUP HOSPITAL MANAGEMENT COMMITTEE

Senior Pharmacist

Senior Pharmacist required for duties within the Group, based at Chase Farm Hospital, Salary scale £810—£1,060 plus London Weighting Allowance. Applications giving full details of qualifications and experience together with the names and addresses of two referees to the Group Secretary, Chase Farm Hospital, The Ridgeway, Enfield, Middlesex, quoting reference 75/63. C8130

EVELINA CHILDREN'S HOSPITAL OF GUY'S HOSPITAL, SOUTHWARK BRIDGE ROAD, LONDON, S.E.1

Dispensing Assistant

required. Interesting and varied duties in pleasant department, Canteen facilities, Salary according to age, £305 at 18 rising to £465 at 22 and annually thereafter, according to experience, to maximum £620, £50 extra if suitably qualified. Apply immediately, stating age and experience, to the Hospital Secretary.

FINCHLEY MEMORIAL HOSPITAL, GRANVILLE ROAD, LONDON, N.12

Senior Pharmacist

required. Whitley Council scale with London Weighting. Applications to Chief Pharmacist, Barnet General Hospital, Wellhouse Lane, Barnet, Herts, with names of two referces.

C 8119

GROVE PARK HOSPITAL, LEE, S.E.12

Chief Pharmacist
Category II. £940 to £1,260 plus London
Weighting allowance. Applications naming
two referees to Group Secretary, Lewisham
Hospital, High Street, S.E.13. C 632

LEWISHAM HOSPITAL, HIGH STREET, S.E.13

Senior Pharmacist

required. Applications stating age, qualifica-tions and experience, and names of two referees to Chief Pharmacist. C 636

NEASDEN HOSPITAL (202 beds), BRENTFIELD ROAD, N.W.10

Chief Pharmacist

Category II, required to commence duty 1st May, 1963. Applications to Group Secretary, Central Middlesex Group Hospital Management Committee, Acton Lane, C 8138

QUEEN CHARLOTTE'S AND **CHELSEA HOSPITALS**

Pharmacist

Pharmacist
Applications are invited for the above post at
Queen Charlotte's Maternity Hospital, Accommodation may be available. Enquiries to the
Chief Pharmacist and applications giving details of age, qualifications and experience together with the names of two referees to the House Governor, 339 Goldhawk Road,
Hammersmith, W.6 C 8141

ROYAL EYE HOSPITAL ST. GEORGE'S CIRCUS, S.E.1

Qualified Dispensing Assistant

required. Applications in writing to Hospital Secretary. C 8122

ROYAL FREE HOSPITAL

Locum Pharmacist

required at the above hospital from June 24 to July 20, Salary £19 19s, per week, Applications with names of two referees should be addressed to the Group Chief Pharmacist, Royal Free Hospital, Gray's Inn Road, London, W.C.1.

THE FOUNTAIN & CARSHALTON GROUP HOSPITAL MANAGEMENT COMMITTEE

Dispensing Assistant

Dispensing Assistant required at Queen Mary's Hospital for Children, Carshalton, Surrey. Salary scale £440—£580 at age 22 and over, otherwise according to age, Certificate of the Society of Apothecaries desirable for which a qualification allowance of £50 will be paid, London Weighting in addition, Telephone enquiries to Chief Pharmacist, Mrs. McDomald (Wallington 6635, Ext. 11), Applications, with names of two referees, to Group Sccretary, as soon as possible. as possible.

Appointments—Continued

SHREWSBURY GROUP 15 HOSPITAL MANAGEMENT COMMITTEE, SHELTON MENTAL HOSPITAL, SHREWSBURY

SHREWSBURY
Chief Pharmacist
Applications are invited from suitably qualified ladies and gentlemen for the post of Chief Pharmacist, single-handed, at the Shelton Hospital (Mental), House available, Salary: £855 x £35 (2) x £40 (6) to £1,165. Conditions of Service as prescribed by the Pharmaceutical Council of the Whitley Council.

Council.
Annual Leave 21 days, plus all Bank Holidays.
The appointment will be subject to the provisions of the National Health Service (Superannuation) Regulations.
Applications, accompanied by the names and addresses of three referees, should be addressed to the Medical Superintendent, Shelton Hospital, Shrewsbury.

C 8139

THREE COUNTIES HOSPITAL,

THREE COUNTIES HOSPITAL,
ARLESEY, BEDFORDSHIRE
Dispensing Assistant
Applications are invited for Dispensing
Assistant, Salary and conditions as Whitley
Council scale, £425 at age 22 or over, rising
to £575 per annum, Accommodation available
for single man or woman applicant, Applications, stating age and experience, together
with the names and addresses of two referees
should be sent to The Medical Superintendent. C 576

ST. ANDREW'S HOSPITAL,
DEVONS ROAD,
BOW, E.3
Senior Pharmacist or Pharmacist
required, Whitley Council salary and conditions, Application forms obtainable from the
Group Sccretary, Bow Group H.M.C., St.
Clement's Hospital, Bow Road, E.3. C 8127

WEST BROMWICH & DISTRICT

WEST BROMWICH & DISTRICA
H.M.C. (GROUP 18)
Group Pharmacist

Applications are invited for the post of Group Pharmacist (male or female), Category IV. Whitley Council salary and conditions of service apply, The successful applicant will be responsible for the pharmaceutical services in the group.

Applications giving age, education, qualifications, previous experience and names of two referees to the Group Secretary, West Bromwich & District H.M.C., Edward Street, West Bromwich.

YORK "A" AND TADCASTER HOSPITAL MANAGEMENT COMMITTEE

Senior Pharmacist
required for Group Service to be based at the
Maternity and Fulford Hospitals, York.
Salary scale £810 x £35 (6) x £40 (1) to
£1,060 p.a.
Applications

Applications stating age, qualifications, experience and names of two referees to Group Secretary, Bootham Park, York. C 8140

EDUCATIONAL

LONDON COLLEGE OF PHARMACY AND CHEMISTRY FOR WOMEN

7 Westbourne Park Road, W.2 Established 1892

The only College in S.E. England teaching exclusively for the Assistantin-Dispensing Examination of the Society of Apothecaries, Enrolling now for six months' full-time course for Student Dispensers under 1956 Regulations, 82 per cent, Examination successes in 1960. C 404

SITUATIONS VACANT WHOLESALE



MEDICAL REPRESENTATIVE

Ireland

Riker Laboratories have a vacancy for a medical representative in the southern counties of the Irish Republic, based on Limerick.

This is an opportunity for a suitably qualified man to join a vigorous and rapidly growing organisation. Conditions of service are among the best in the industry and include a generous expense allowance, use of a Company car and pension and life assurance schemes.

A man of the right calibre can be assured of an interesting and rewarding career. There are ample opportunities for promotion to Head Office appointments in Loughborough or to senior representative appointments overseas.

Applications are invited from pharmacists aged 23 and over. Experience of medical representation would be an advantage but is not essential as a comprehensive training programme will be provided.

Please apply in writing to:

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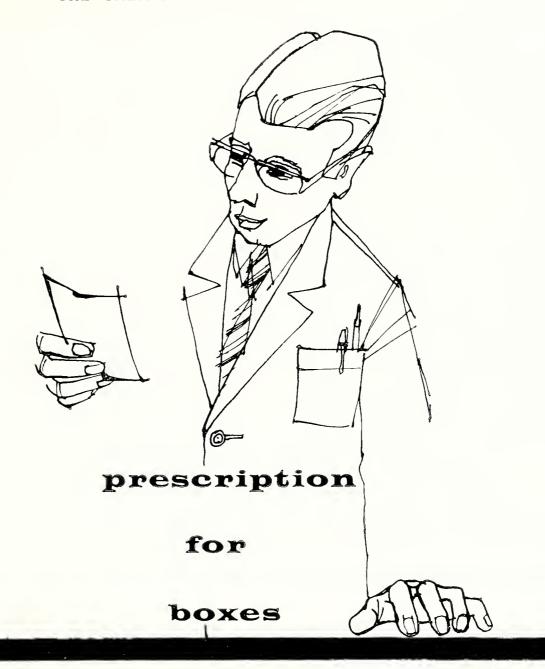
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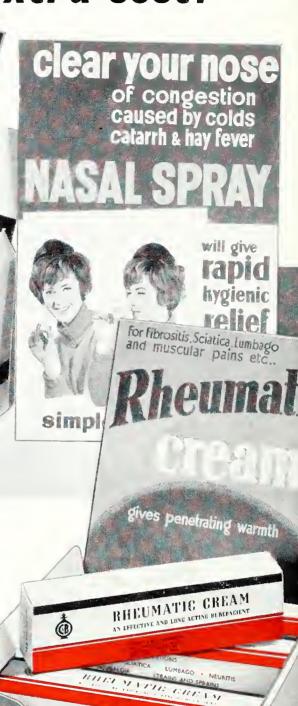
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